INSTALLATION AND OPERATION MANUAL

HUSSONG MANUFACTURING

KOZY HEAT FIREPLACES

Quality Fireplaces for Life

Model: #936

DIRECT VENT GAS FIREPLACE

INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain this manual for future reference.

This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

—Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS:

- **Do not try to light any appliance.**
- **Do not touch any electrical switch: do not use any phone in your building.**
- **Immediately call gas supplier from a neighbors phone. Follow the gas supplier instructions.**
- **If you cannot reach your gas supplier, call the fire department.**

— Installation and service must be performed by a qualified installer, service agency or the gas supplier.

WARNING

HOT GLASS WILL CAUSE BURNS.
DO NOT TOUCH GLASS UNTIL COOLED.
NEVER ALLOW CHILDREN TO TOUCH GLASS.

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

Tested & Listed By O-TL US Portland Oregon USA

OMNI-Test Laboratories, Inc.

Report No. 216-F-24-4

MAY 2012
936-REV-23

INTRODUCTION

Read this manual before installing or operating this appliance.
Please retain this owner's manual for future reference.

CONGRATULATIONS!

We welcome you as a new owner of a Kozy Heat gas fireplace. Kozy Heat products are designed with superior components and materials and assembled by trained craftsmen who take pride in their work. The burner and valve assembly are 100% test-fired and the complete fireplace is thoroughly inspected before packaging to ensure that you receive a quality product. Our commitment to quality and customer satisfaction have remained the same for over 30 years. We offer a complete line of gas and wood fireplaces, unique cabinets and stylish accessories to compliment any décor. Adding a fireplace is one of the best ways to increase the value of your home and we are proud to offer a network of dealers throughout the country to help make your experience everything you imagine. We pride ourselves in being dedicated to not only function and reliability, but customer safety as well. We offer our continual support and guidance to help you achieve the maximum benefit and enjoyment from your Kozy Heat gas fireplace.

Jim Hussong
President

Dudley Hussong
Board Chairman

Homeowner Reference Information
We recommend that you record the following information about your fireplace.

Model Name:_____ Date purchased/installed:_____

Serial Number:_____ Location on fireplace:_____

Dealership purchased from:_____ Dealer Phone:_____

Notes:_____

_____

_____

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SAFETY INFORMATION

This fireplace has been tested to and complies with ANSI Z21.88b-2008·CSA 2.33b-2008·"VENTED GAS FIREPLACE HEATERS" by OMNI Test Laboratories, Portland, OR. Installation must conform with local building codes or in the absence of local building codes, with the National Fuel Gas Code, ANSIZ223.1/NFPA 54 - Current Edition, or the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3288

- **Installation and repair should be done only by a qualified service person. The appliance should be inspected by a qualified service person before use. Annual inspection by a qualified service person is required to maintain warranty. More frequent cleaning may be required due to excessive lint from carpeting, bedding materials, etc. It is imperative that control compartments, burners and circulation air passageways of the appliance be kept clean.**
- **If this appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance.**
- **Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.**
- **Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.**
- **Clothing or other flammable material should not be placed on or near the appliance.**
- **Adequate accessibility clearances for servicing and proper operation must be maintained.**
- **This appliance must not share or be connected to a chimney flue serving any other appliance.**
- **Keep area around the appliance clear of combustible materials, gasoline and other flammable vapor and liquids.**
- **The flow of combustion and ventilation air must not be obstructed.**
- **Due to high temperatures the appliance should be located out of traffic and away from furniture and draperies.**
- **The glass front or any part removed for servicing the appliance must be replaced prior to operating the appliance. Work should be done by a qualified service technician.**
- **Clean glass only when cool and only with non-abrasive cleansers.**
- **<u>WARNING: DO NOT OPERATE APPLIANCE WITH THE GLASS/FRAME ASSEMBLY REMOVED, CRACKED OR BROKEN. REPLACEMENT OF THE GLASS SHOULD ONLY BE PERFORMED BY A LICENSED OR QUALIFIED SERVICE PERSON .</u>**
- **The glass assembly, Part #700-07T, shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc. DO NOT SUBSTITUTE MATERIALS.**
- **Do not strike or slam glass assembly.**
- **Any safety screen or guard removed for servicing the appliance must be replaced prior to operating the appliance.**
- **Under no circumstances should any solid fuel (wood, coal, paper or cardboard etc.) be used in this appliance.**
- **Keep burner and control compartment clean.**
- **Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect this appliance and to replace any part of the control system and any gas control which has been under water.**

COMMONWEALTH OF MASSACHUSETTS REQUIREMENTS

NOTE	**The following requirements reference various Massachusetts and national codes not contained in this manual.**

For all sidewall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

INSTALLATION OF CARBON MONOXIDE DETECTORS

At time of installation of side wall horizontally vented gas fueled equipment, the installing plumber or gas-fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas-fitter shall observe that a battery operated or hard wired carbon monoxide detector is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors.

In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

APPROVED CARBON MONOXIDE DETECTORS

Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

SIGNAGE

A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print no less the one-half inch (1/2) in size, **"GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".**

INSPECTION

The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08 (2) (a) 1 through 4.

EXEMPTIONS

The following equipment is exempt from 248 CMR 5.08 (2) (a) 1 through 4:The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM PROVIDED

When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

Detailed instructions for the installation of the venting system design or the venting system components; and

A complete parts list for the venting system design or venting system.

MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED

When the manufacturer of Product Approved side wall horizontally vented gas equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:

The referenced "special venting systems" instructions shall be included with the appliance or equipment installation instructions and;

The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

SPECIFICATIONS

FIREPLACE DIMENSIONS

	LETTER KEY	A	B	C	D	E	F	G	H	I
	DESCRIPTION	Height	Width	Depth	Glass Frame Height	Stand-off Height	Vent Center to unit back	Vent Center to unit front	Front to Gas Line Hole Center (left side)	Floor to Gas Line Hole Center
FIREPLACE DIMENSIONS	INCHES	32	36	18-1/4	19-3/8	2	7	11-1/4	9-1/4	2-3/4
	MILLIMETERS	812	914	464	492	51	178	286	235	70

CAUTION **STAND-OFF BRACKETS ARE NOT LOAD BEARING.**

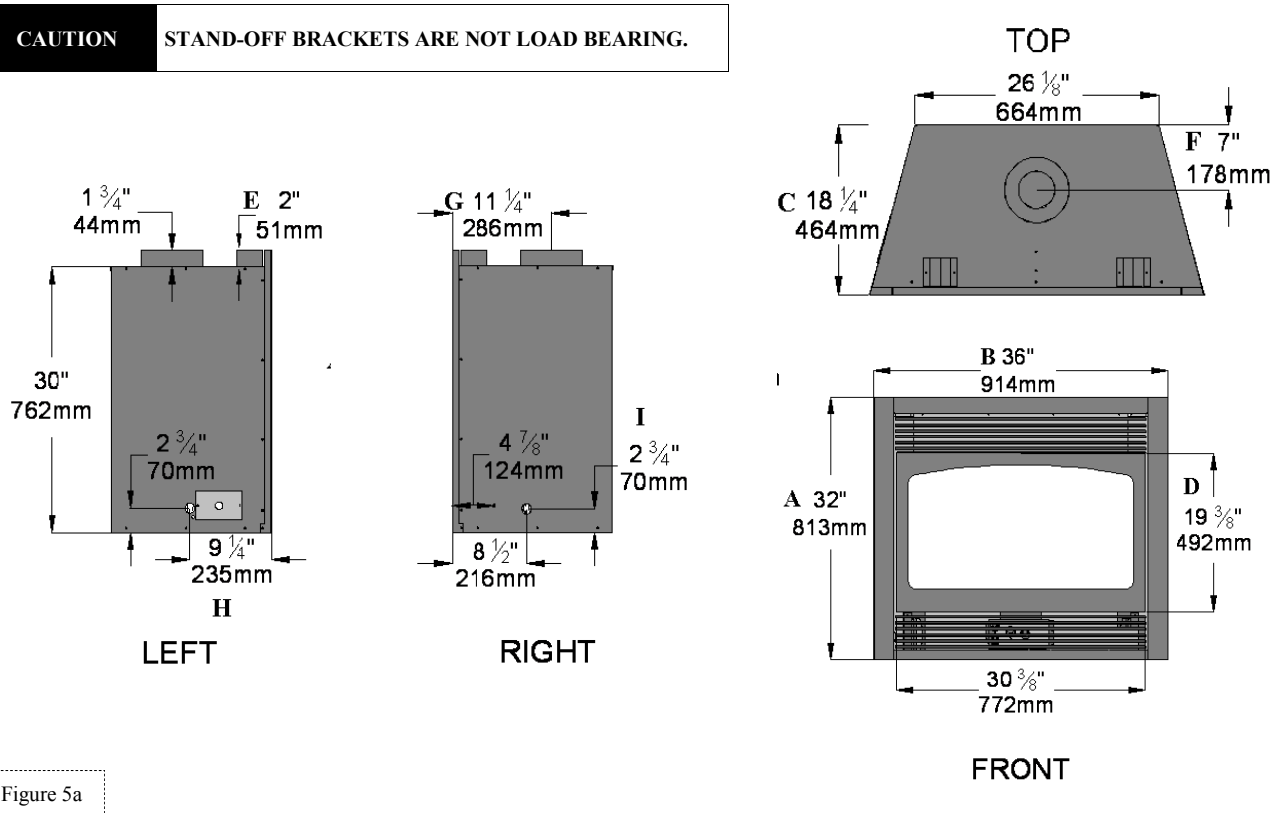


Figure 5a

CLEARANCES

- From unit sides and back - 0” (0 mm)
- From unit top stand-offs - 0” (0 mm)
- To flooring - 0” (0 mm)
- From flue vent - 1” (25 mm)
- Unit glass front to adjacent sidewall - 8” (203 mm)
- Unit front to combustibles - 36” (914 mm)
- Top of unit to 3/4” (19 mm) trim - 4” (102 mm)
- Mantel 4” (102 mm) deep from top of fireplace - 8” (203 mm) See additional mantel information on page 7 of this installation manual.

SPECIFICATIONS

#936 COMPONENTS

936-E770	Millivolt Control Board Assembly
700-203	Manual Gas Shut-off Valve
911-G900	Refractory Set
936-50E	Log Package
700-07T	Glass with Gasket Assembly
600-083	Receptacle / Speed Control Assembly w/ 3 Wire Nuts
900-085	4" Restrictor Plate

ADDITIONAL COMPONENTS REQUIRED

- Grill Set or Full Door Face
- Rigid pipe applications: #923-C Adaptor. See venting section of this manual for more information.

INSTALLATION OVERVIEW

NOTE	**The qualified installer should follow the procedure best suited for the installation.**

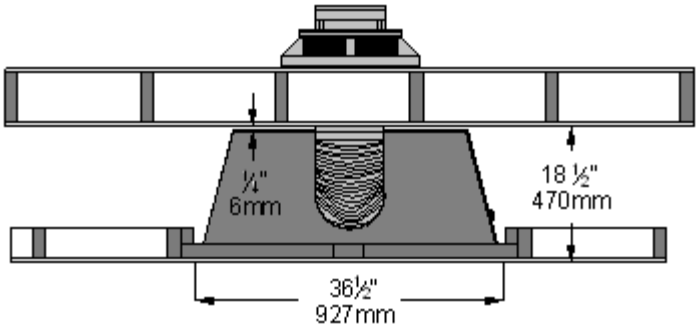
1. Frame an opening for fireplace, allowing for vent installation and type of installation (corner or flat wall application).
2. If masonry (optional) will be used, prepare foundation for the masonry load. A lintel is required to support the added weight above fireplace.
3. Attach stand-off brackets and nailing flanges to fireplace.
4. Insert fireplace into framing.
5. Install hearth (if applicable).
6. Complete gas line installation.
7. Complete electrical hook-up. Install any standard or optional electrical components at this time.
8. Complete venting installation.
9. Secure fireplace to flooring through holes located in outer box bottom and to framing with nailing flanges. Verify all clearances at this point.
10. Install facing material, mantel or cabinetry, allowing room for optional full face doors, if applicable.
11. Install logs.
12. Install grills and optional decorative doors / faces.
13. Verify proper operation of fireplace and all components.

PLACEMENT CLEARANCE REQUIREMENTS

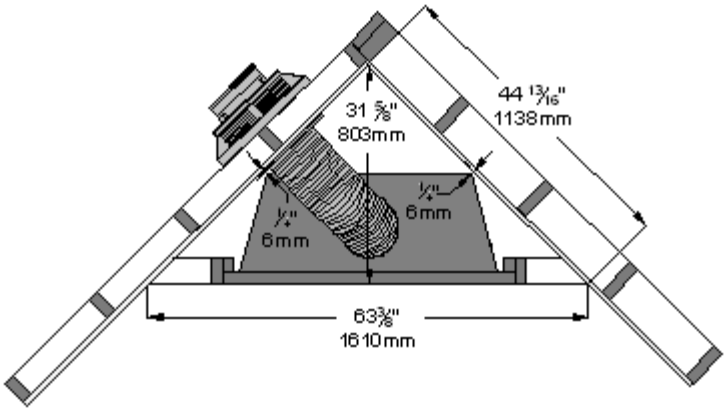
- This fireplace must be installed on a level surface capable of supporting the fireplace and venting.
- Fireplace must be placed directly on wood or non-combustible surface (not linoleum or carpet) extending entire depth and width of fireplace.
- Due to high surface temperatures, fireplace should be located out of traffic and away from furniture and draperies.
- This fireplace may be installed in a bedroom.
- Please be aware of the large amount of heat this fireplace will produce when determining a location.

TYPICAL INSTALLATION OPTIONS

TYPICAL HORIZONTAL INSTALLATION



TYPICAL CORNER INSTALLATION



NOTE	**If installing optional Heat Duct Kit #970:** **Consider heat duct location. Ducts may be vented into fireplace room or another room.** **Maximum duct run: 20 ft. (6.10 m). Follow instructions included with kit.**

Figure 7a

MANTEL REQUIREMENTS

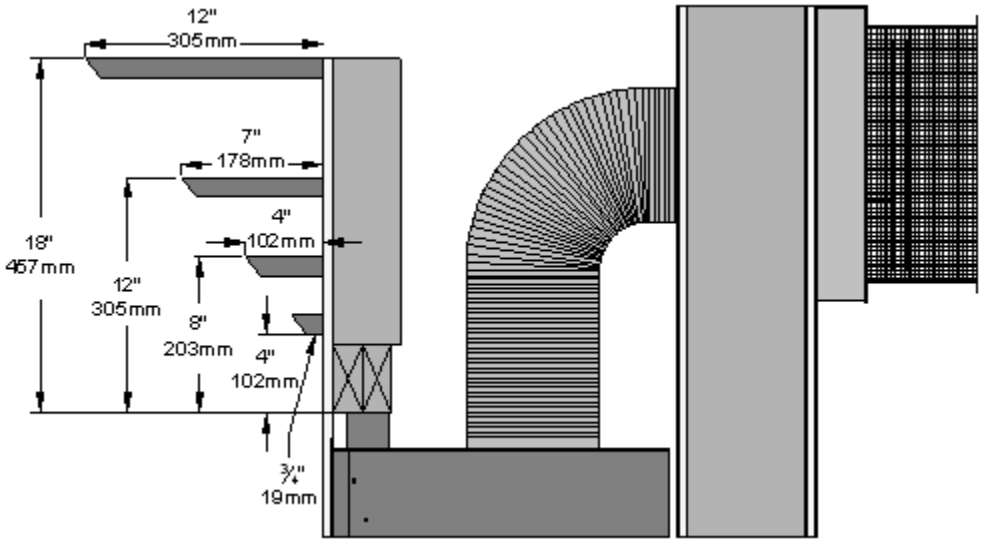


Figure 7b

PREPARE THE FIREPLACE

NAILING FLANGE ASSEMBLY & INSTALLATION

1. Remove (4) nailing flanges from fireplace sides.
2. With 1/4" (6 mm) stand-offs on nailing flanges facing away from fireplace, align nailing flange with holes on outside corners of fireplace. Secure with screws (provided in installation manual parts packet) through slots in nailing flanges.
3. Bend perforation on nailing flange until parallel with fireplace face. Do not bend toward fireplace face.
4. Position framing stud against 1/4" (6 mm) stand-off (located on backside of nailing flange). Secure with nails or screws.

NOTE	**Depending on facing material, tabs can be adjusted forward or back up to 1/2" (13 mm).**

CAUTION	**Never permanently remove these assemblies from fireplace - they must be secured in place regardless of finish material used.**

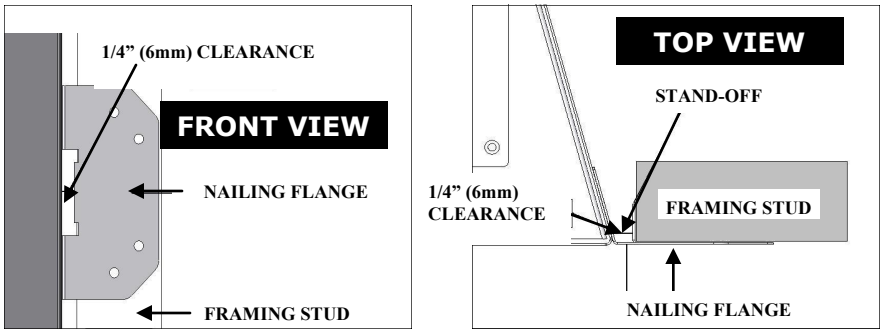


Figure 8a

GLASS FRAME ASSEMBLY

WARNING	**Do not operate this fireplace with glass removed, cracked or broken. Replacement of glass assembly #700-07T, should be done by a licensed or qualified service person.** **Do not remove glass assembly when hot!**

REMOVAL:

1. Remove upper grill. Page 29.
2. Open lower grill. Locate spring-loaded handles securing glass frame assembly at bottom of firebox.
3. Pull bottom handles out and 'down' to release glass frame assembly bottom.
4. Pull bottom of glass frame assembly out and lift up off tabs at top of firebox.

INSTALLATION:

1. Place glass frame assembly top over tabs at top of firebox.
2. Pull bottom handles out and 'up' to secure glass frame assembly bottom.
3. Reinstall upper grill. Page 29.

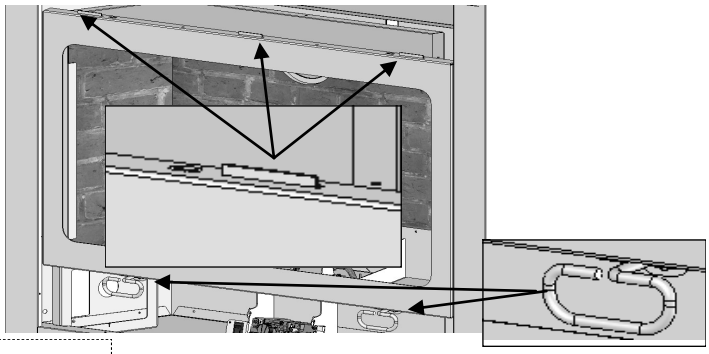


Figure 8b

FRAMING

WALL ENCLOSURE ROUGH OPENING

IMPORTANT	**Framing dimensions should allow for wall covering thickness and fireplace facing materials. If using an optional hearth, adjust rough opening size as necessary to maintain at least minimum clearance requirements.** **Non-combustible facing material may e applied over (but not directly to) fireplace face. This will prevent facing material from falling off due to heat expansion. Do not obstruct the flow of ventilation air.**

MIN. FINISHED OPENING DIMENSIONS

(APPLIES TO BOTH HORIZONTAL AND VERTICAL VENTING TERMINATIONS)

32-1/4" (870 mm) High x 36-1/2"(927 mm) Wide x 18-1/2" (470 mm) Deep.

NOTE	**Provide adequate clearance in front of fireplace to operate lower grill, open and close optional decorative doors / full door faces, access components, installation of gas line, fan, etc.**

WARNING	**Do not obstruct upper and lower grill openings. Room air enters through lower passage, is heated, and exits through upper passage. Blocking these passages may result in overheating, creating a potentially hazardous situation.** **Install fireplace on hard metal or wood surface extending the full width and depth of fireplace.** **Minimum platform size: 36" (984 mm) wide x 18-1/4" (464mm) deep.** **FIRE HAZARD: Do NOT install directly on carpeting, vinyl, or any combustible material other than wood.**

Determine exact position of your fireplace, including hearth height, width, and depth, (if applicable). If possible, place fireplace in such a manner that vent termination will be placed between two studs, eliminating the need for additional framing.

If masonry is to be used (optional), prepare the necessary foundation for the masonry load. When masonry construction is being used, a lintel (#617) must be used over top of fireplace to support the added weight.

Build hearth (optional) to desired size and height. If a hearth extension is desired, combustible material may be used.

Consider height of hearth finish material (stone, brick, etc.) when building fireplace platform. Bottom of fireplace must be level with finished hearth to allow for lower grill operation and proper fit of optional decorative door faces.

VERTICAL TERMINATIONS

Follow vent pipe manufacturer's installation instructions for vertical terminations. A minimum 1" (25 mm) clearance on all sides of vertical vent pipe must be maintained.

HORIZONTAL TERMINATIONS

Follow vent pipe manufacturer's installation instructions for horizontal terminations. Include the required 1-1/2" (38 mm) top clearance and 1" (25 mm) sides and bottom clearances for approved rigid vent systems and the Kozy Heat #700 series flexible vent system.

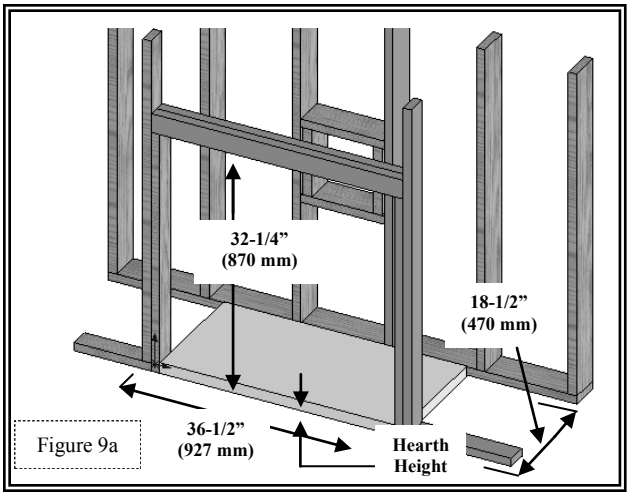


Figure 9a

IMPORTANT	**To achieve minimum venting requirements, a minimum of 49-1/2" (1.26 m) from floor or hearth fireplace is setting on to top of vent pipe is required.** **Wall pass-thru required for all horizontal runs. Refer to vent manufacturer to determine which pass thru will work best for your particular situation.** **Vent cap location must be in compliance with the guidelines on page 18 of this manual**.

CAUTION	**Cold air transfer area. The surrounding fireplace chase must comply with all clearances as outlined in this manual and be constructed in compliance with local building codes. Outside walls should be insulated to prevent cold air from entering room.**

OPTIONAL FAN INSTALLATION

INSTALLATION OF THIS FAN SHOULD BE DONE ONLY BY A QUALIFIED INSTALLER

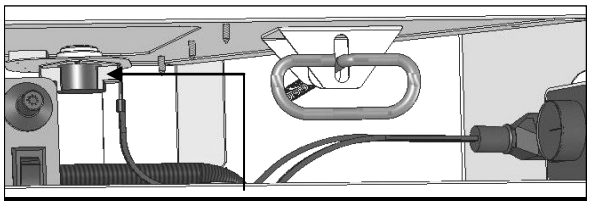
WARNING	**MAKE SURE HOUSEHOLD BREAKER IS SHUT OFF PRIOR TO WORKING ON ANY ELECTRICAL LINES.** **THIS APPLIANCE IS EQUIPPED WITH A THREE-PRONG (GROUNDING) PLUG FOR PROTECTION AGAINST SHOCK HAZARD AND SHOULD BE PLUGGED DIRECTLY INTO A PROPERLY GROUNDED THREE-PRONG RECEPTACLE. DO NOT CUT OR REMOVE GROUNDING PRONG FROM THIS PLUG.**

IMPORTANT	**If installing a fan, it is easier to complete prior to connecting millivolt board to gas supply. Wiring must be done before enclosing fireplace sides. An electrical box and romex connector are pre-installed on a removable panel on right side of fireplace. A receptacle / speed control assembly and (3) wire nuts are included in fireplace components packet.**

NOTE	**Code approved line voltage wiring 14 gauge or better must be used when wiring this assembly.** **Refer local electrical codes for specific requirements.** **This appliance must be electrically grounded and connected in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 Current Edition, or the Canadian electrical Code CSA C22.1.** **This fan will not operate unless speed control has been turned ON and sufficient heat has been applied to temperature control switch. The fan will turn ON and OFF automatically as fireplace heats and cools. Adjust fan to desired speed while it is running.**

Optional fan kit #TRF-028 includes: (2) 75 CFM fan with temperature control switch and 4 ft. (1219 mm) fan cord
(4) 1/4" nuts

1. Remove lower grill. Page 30.
2. Insert fans through lower grill opening, place over mounting studs, secure with nuts provided.
3. Connect fan wiring by attaching connectors on right fan to terminals on left fan.
4. Insert 110V-120V wiring (with ground) through romex connector and wire to speed control / receptacle assembly, matching black (hot), white (neutral), and green (ground) wires to corresponding wires on speed control / receptacle assembly. See page 11.
5. Secure speed control / receptacle assembly to electrical box with (2) screws provided.
6. Re-install electrical access panel. Tighten screws.
7. Attach temperature control switch to bottom of firebox.
8. Plug cord into electrical box receptacle.
9. Turn speed control counter-clockwise until it 'clicks'. This is the OFF position.
10. Turn speed control ON by turning knob clockwise past the 'click' - this is the highest setting.
11. Re-install lower grill. Page 29.



TEMPERATURE CONTROL SWITCH POSITION

Before adjusting temperature control switch, unplug 3-prong plug on fan cord from receptacle. Adjust position of temperature control switch to a warmer location under firebox to turn fan ON sooner or move it to a cooler location under firebox to turn fan ON later. The fan will turn on when sensor in temperature control switch reaches 110° F and will turn OFF when sensor reaches 90° F. After adjustment, insert fan cord 3-prong plug into receptacle.

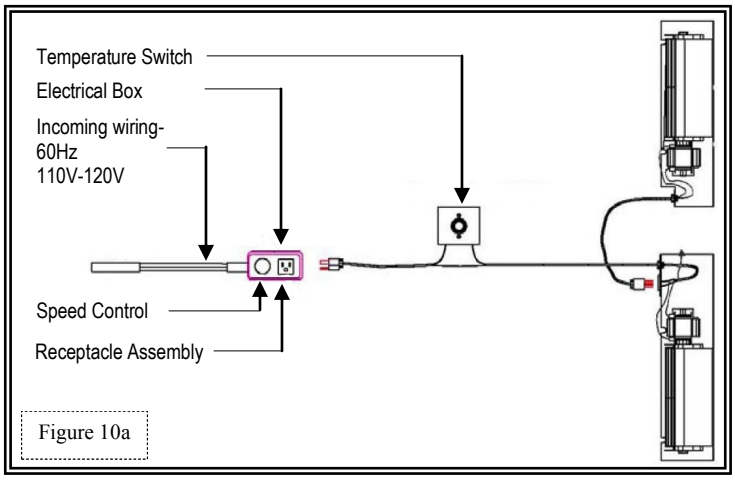


Figure 10a

OPTIONAL FAN INSTALLATION

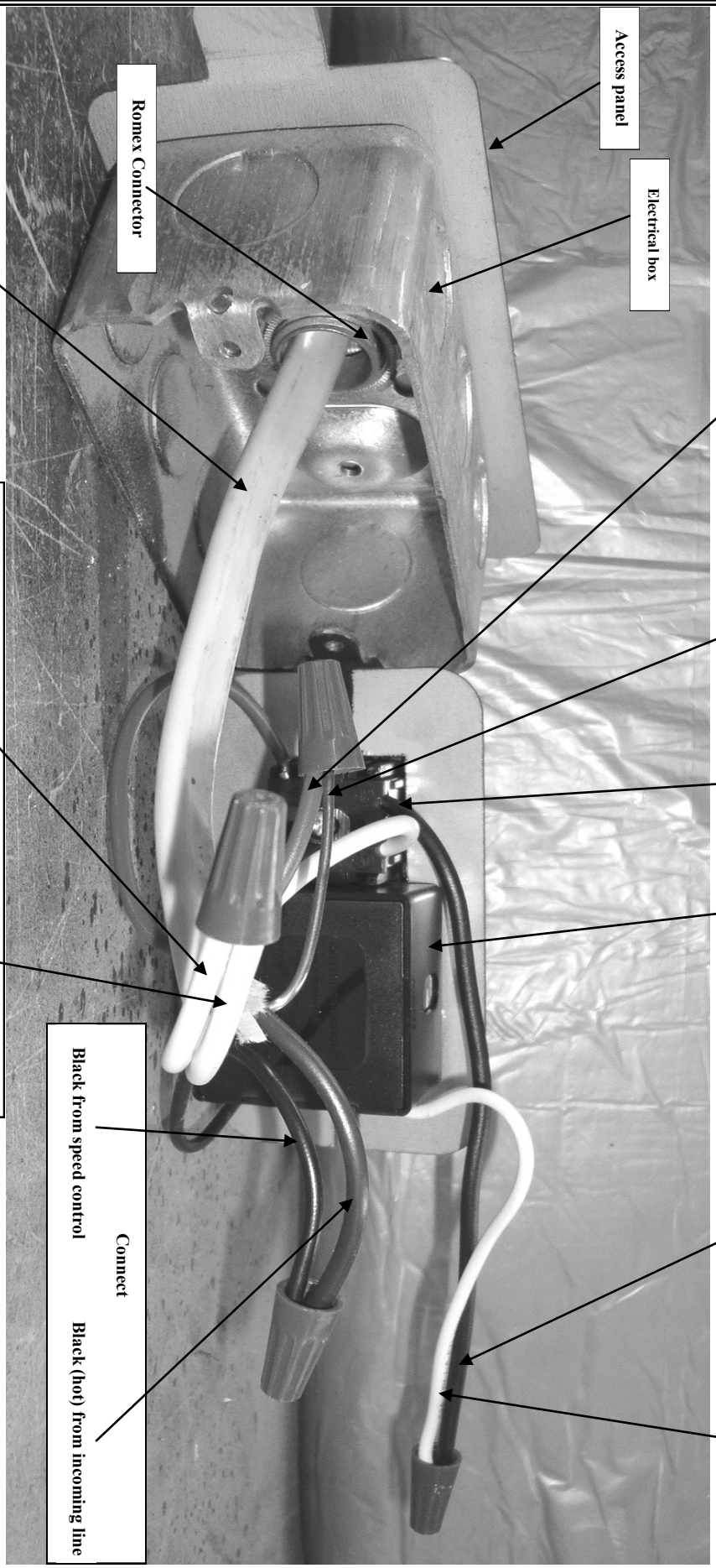


Figure 11a

GAS LINE CONNECTION

GAS CONVERSION

This fireplace is manufactured for use with Natural Gas. An LP conversion kit, is included with this fireplace. Follow instructions included with conversion kit if converting to LP gas.

ATTENTION	**The conversion shall be carried out in accordance with the requirements of the provincial authorities having jurisdiction and in accordance with the requirements of the ANSI Z223.1 installation code.**

CAUTION	**Installation of the gas line must only be done by a qualified person in accordance with local building codes, if any. If not, follow ANSI 223.1.** **Commonwealth of Massachusetts: Installation must be done by a licensed plumber of gas fitter.**

NOTE	**A listed (and Commonwealth of Massachusetts approved) 1/2" (13mm) T-handle manual shut-off valve and flexible gas connector (included) are connected to the 1/2" (13mm) control valve inlet. If substituting for these components, please consult local codes for compliance.** **This fireplace is equipped with a 3/8"(10mm) x 18" (457mm) long flexible gas connector and manual shut-off valve. The gas line should be run to the point of connection where the shut-off valve and flexible gas line will connect.** **The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi (3.5 kPa).** **The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas line at test pressures equal to or less than ½ psi (3.5 kPa).** **For high altitude installations, consult the local gas distributor or the authority having jurisdiction for proper rating methods.**

IMPORTANT	**The efficiency rating of this appliance is a product of thermal efficiency rating determined under continuous operating conditions and was determined independently of any installed system.**

	#936	
	NATURAL GAS	**LP GAS**
MINIMUM INLET GAS PRESSURE	**5.0 inches W.C. (7.0 W.C. recommended)**	**11.0 inches W.C. (recommended)**
MAXIMUM INLET GAS PRESSURE	**10.5 inches W.C.**	**13.0 inches W.C.**
MANIFOLD PRESSURE (HI)	**3.5 inches W.C**	**10.0 inches W.C.**
MANIFOLD PRESSURE (LO)	**1.7 inches W.C.**	**6.3 inches W.C**
ORIFICE SIZE	**#31**	**#51**
INPUT BTU/hr.	**36,000**	**35,000**
MINIMUM INPUT BTU/hr.	**23,000**	**23,000**

THERMOSTAT / WALL SWITCH / REMOTE

If desired, a thermostat (wireless style also available), wall switch, or remote control assembly may be used to turn fireplace OFF and ON. Only ONE of these may be installed. Follow instructions included with chosen assembly.

NOTE	**INSTALLATION OF THERMOSTAT OR WALL SWITCH SHOULD ONLY BE DONE BY A QUALIFIED INSTALLER**.

CAUTION	**DO NOT CONNECT HIGH VOLTAGE (115V) WIRE TO THE GAS VALVE!**

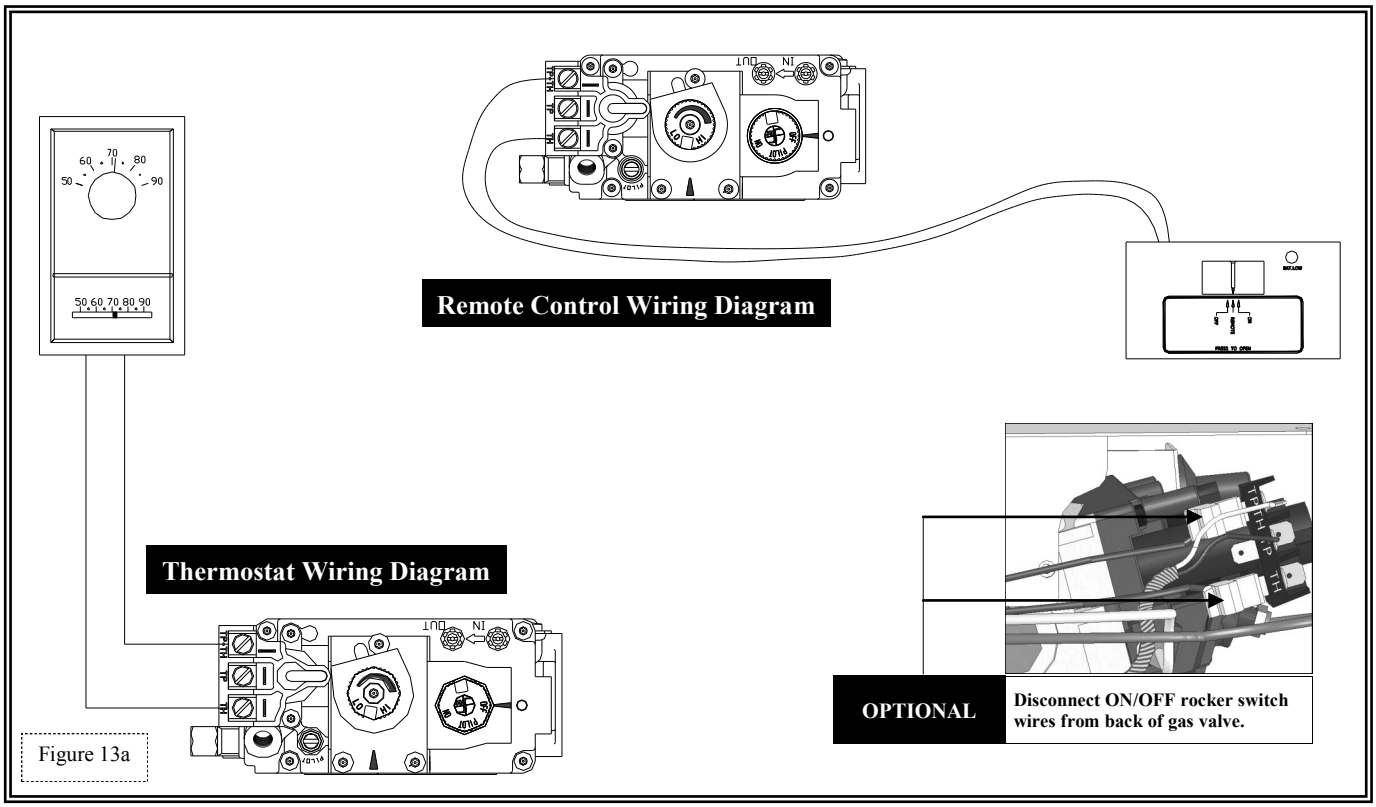


Figure 13a

WALL SWITCH / THERMOSTAT:

Run low-voltage (thermostat) wires from terminals on gas valve to desired location of wall switch or thermostat.

Attach appropriate connectors to wall switch / thermostat wires and connect to top and bottom terminals marked TH/TPTH on gas valve.

REMOTE CONTROL:

Follow instructions included with remote control.

IMPORTANT	**If ON/OFF rocker switch wires are <u>not disconnected</u>, the ON/OFF rocker switch on millivolt board must be in OFF position for proper operation of any of these components.** **If rocker switch is ON, fireplace burner will operate until it is turned OFF by rocker switch. A wall switch, thermostat, or remote control will not turn fireplace OFF when it has been turned ON by the rocker switch.**

NOTE	**Fireplace must be turned ON and OFF by same method. For example: If fireplace is turned ON by remote control, it must be turned OFF by remote control.**

IMPORTANT	**The insulated cover included with remote control must be placed over remote receiver to prevent overheating.**

VENTING

IMPORTANT	**Consult the local and national installation codes to assure adequate combustion and ventilation air is available.** **Flame height and appearance will vary depending upon venting configuration and type of fuel used.** **Venting requirements apply to both Natural and LP gas.**

Refer to vent systems manufacturer's installation manual for complete installation instructions.
Installation must conform with venting requirements and restrictions as outlined in this manual.

APPROVED VENTING

Kozy Heat #700 series flexible vent system (horizontal terminations).

Simpson Dura-Vent DV-GS 4" x 6-5/8" direct vent system (vertical terminations). Kozy Heat #923-C adaptor required.

EXCEL Direct 4" x 6-5/8" direct vent chimney system (vertical terminations). Kozy Heat #923-C adaptor required.

Security 4" x 6-5/8" direct vent chimney system (vertical terminations). Kozy Heat #923-C adaptor required.

Amerivent / American Metal 4" x 6-5/8" direct vent chimney system (vertical terminations). Kozy Heat #923-C adaptor required.

Selkirk Metalbestos 4" x 6-5/8" direct vent chimney system (vertical terminations). Kozy Heat #923-C adaptor required.

BDM 4" x 6-5/8" direct vent chimney system (vertical terminations). Kozy Heat #923-C adaptor required.

HORIZONTAL VENT SYSTEM CLEARANCES

	TOP	BOTTOM	SIDES
KOZY HEAT #700 SERIES	1-1/2 inches (38 mm)	1 inch (25 mm)	1 inch (25 mm)

MINIMUM: 18" (457 mm) vertical (to top of intake pipe) + 6" (152 mm) horizontal + termination cap.

MAXIMUM: 18" (457 mm) vertical (to top of intake pipe) + 20 ft. (6.10 m) horizontal + termination cap.

VERTICAL VENT SYSTEM CLEARANCES

	SIDES
ALL RIGID PIPE APPLICATIONS	1 inch (25 mm)
KOZY HEAT #700 SERIES	DO NOT USE FOR VERTICAL TERMINATIONS

MINIMUM: 18" (457 mm) + cap.

MAXIMUM: 32 ft. (9.75 m) + cap.

HORIZONTAL & VERTICAL COMBINATION TERMINATIONS

MAXIMUM: 11 ft. (3.35 m) vertical + 20 ft. (6.10 m) horizontal = 31 ft. (9.45 m).

ELBOWS

For each additional 45° elbow used after first elbow, 5 ft. (914 mm) must be subtracted from maximum allowed venting.

IMPORTANT	**Horizontal runs must maintain 1/4" (6mm) rise per foot (914 mm).**

RESTRICTOR

A restrictor is included in fireplace components packet.

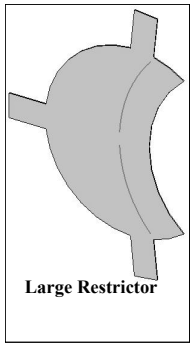
Each installation is unique and affected by various factors including venting configuration, altitude and climate. Therefore, after fireplace installation is complete a restrictor may be required or may need to be removed or modified.

Please refer to page 15 for installation instructions if installing restrictor in conjunction with venting.

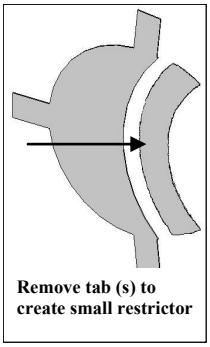
Page 28 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

VENTING

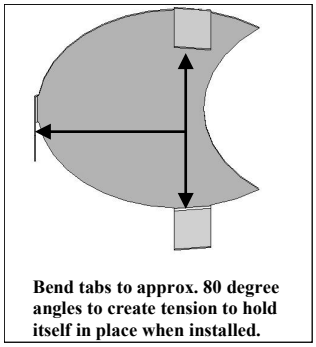
RESTRICTOR INSTALLATION



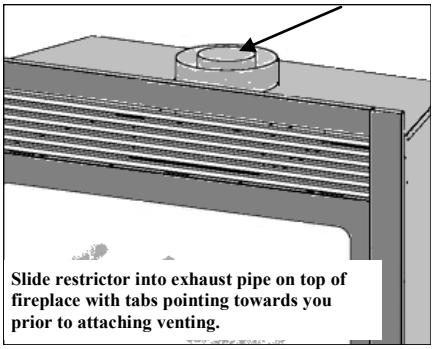
Large Restrictor



Remove tab (s) to create small restrictor



Bend tabs to approx. 80 degree angles to create tension to hold itself in place when installed.



Slide restrictor into exhaust pipe on top of fireplace with tabs pointing towards you prior to attaching venting.

Figure 15a

Page 28 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.

HORIZONTAL / VERTICAL COMBINATION

NOTE	**Horizontal sections require 1/4" (6 mm) rise for every 12" (305 mm) of travel.** **For each additional elbow used after first elbow, 5 ft. (914 mm) must be subtracted from maximum venting allowed.**
CAUTION	**This gas appliance must not be connected to or joined with any other chimney flue serving another appliance.**
IMPORTANT	**A WALL THIMBLE PASS-THRU MUST BE USED ON ALL HORIZONTAL VENT RUNS THAT PASS THROUGH EITHER INTERIOR OR EXTERIOR WALLS. FOLLOW VENT SYSTEM MANUFACTURER'S INSTRUCTIONS.**

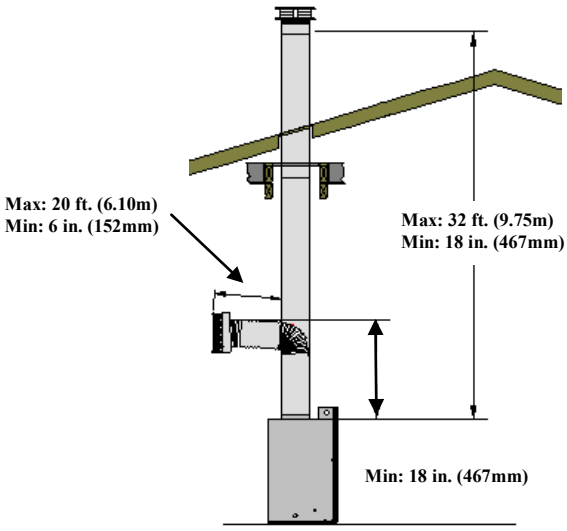
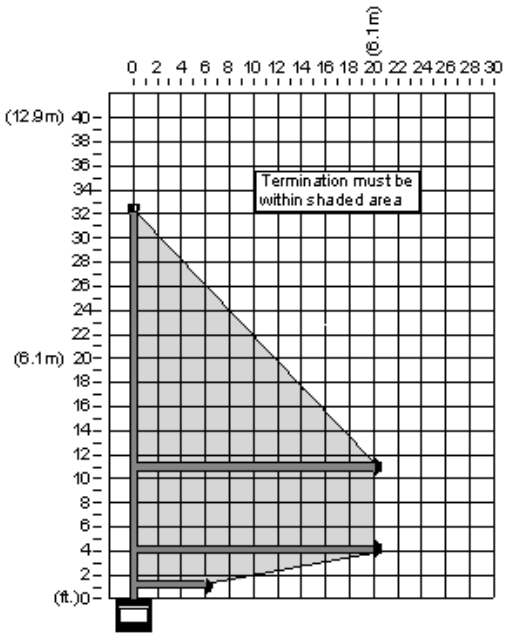


Figure 15b



Horizontal / Vertical Combination:
Horizontal 20ft. (6.10m) / 11ft (3.35 m) Vertical

VENTING

#700 SERIES DIRECT VENT TERMINATION KIT(S) INSTALLATION

IMPORTANT	**The flex pipe is permanently attached to the exterior plate. DO NOT ATTACH #745 or #718 termination kit to fireplace (or extension kit) until it has passed through the wall. Install termination plates to outside wall exterior.**

HORIZONTAL TERMINATIONS Refer to illustration on following page.

IF TERMINATING AGAINST VINYL SIDING, A VINYL SIDING PROTECTOR, INCLUDED WITH #718 AND #745 DIRECT VENT KITS, MUST BE USED. FOLLOW INSTRUCTIONS INCLUDED.

ATTENTION	**Horizontal Top Vent Terminations using Kozy Heat #700 series Flexible Vent System must install #923-F Kozy Heat Flex Vent System Adaptor.**

CAUTION	**This gas appliance must not be connected to a chimney flu serving another type of appliance.**

NOTE	**Page 15 has information on restrictor installation in conjunction with venting installation. Page 28 has information on restrictor recommendations depending on burner flame appearance and instructions on installation after venting is completed.**

1. If your vent system application does not require an extension kit, proceed to step #7.

2. If your vent system application will require one or more extension kits (Part #746), proceed with following steps. Each #746 extension kit contains enough 4" & 7" flexible aluminum to extend chimney an additional 6' (1.83 m).

3. Gently stretch 4" & 7" flexible aluminum pipes on termination kit (#745 or #718) and on each extension kit (if used) length required for installation.

IMPORTANT	**DO NOT STRETCH EXTENSION KIT- #746 BEYOND 6' (1.83 m). DO NOT STRETCH BEYOND WHAT IS REQUIRED - IT IS VERY DIFFICULT TO RECOMPRESS FLEX PIPES ONCE STRETCHED.**

4. Place a bead of sealant outside 4" flex pipe collar (C) (end with EXTERNAL lip), sliding it **inside** 4" pipe on top of fireplace (D). Secure with 3 evenly spaced screws.

5. Place a bead of sealant inside 7" flex pipe collar (E) (end with INTERNAL lip), sliding it **over** 7" pipe on top of fireplace (F). Secure with 3 evenly spaced screws.

6. If additional extension kits are required, repeat steps #4 - #5, placing 4" & 7" pipes onto previous extension kit.
   OPTIONAL: Place insulation between 7" pipe and wall studs.

7. With spacer legs toward wall, slide interior firestop (H) over 7" pipe and attach to interior wall (over wall materials).

NOTE	**Attachment brackets are included with termination kit. These optional brackets should be screwed or nailed (not provided) onto top and bottom of 9-1/2" (241mm) H x 9-1/2" (241mm) W opening on exterior of house. The termination plates then fit between these brackets. Using screws provided, secure brackets to termination box (A). Attach vinyl siding protector (G).**

8. Apply a liberal bead of exterior sealant around outer edge of termination box (A), placing assembly through opening in exterior wall. Place screws through four slots (B), securing it in place.

9. Gently pull 4" & 7" pipes down to top of extension kit, or top of fireplace if no extension kits were used.

10. Place a bead of sealant outside 4" flex pipe collar (C) and slide it into 4" pipe on extension kit or top of fireplace (D). Secure with 3 evenly spaced screws.

11. Place a bead of sealant inside 7" flex pipe collar (E) and slide it over 7" pipe on extension kit or top of fireplace (F). Secure with 3 evenly spaced screws.

ILLUSTRATION ON FOLLOWING PAGE.

VENTING

FLEXIBLE #700 SERIES cont.

A	TERMINATION BOX
B	SLOTS IN EXTERIOR WALL PLATE
C	4” FLEX PIPE COLLAR
D	4” PIPE ON FIREPLACE OR EXTENSION KIT
E	7” FLEX PIPE COLLAR
F	7” PIPE ON FIREPLACE OR EXTENSION KIT
G	VINYL SIDING PROTECTOR
H	INTERIOR FIRESTOP

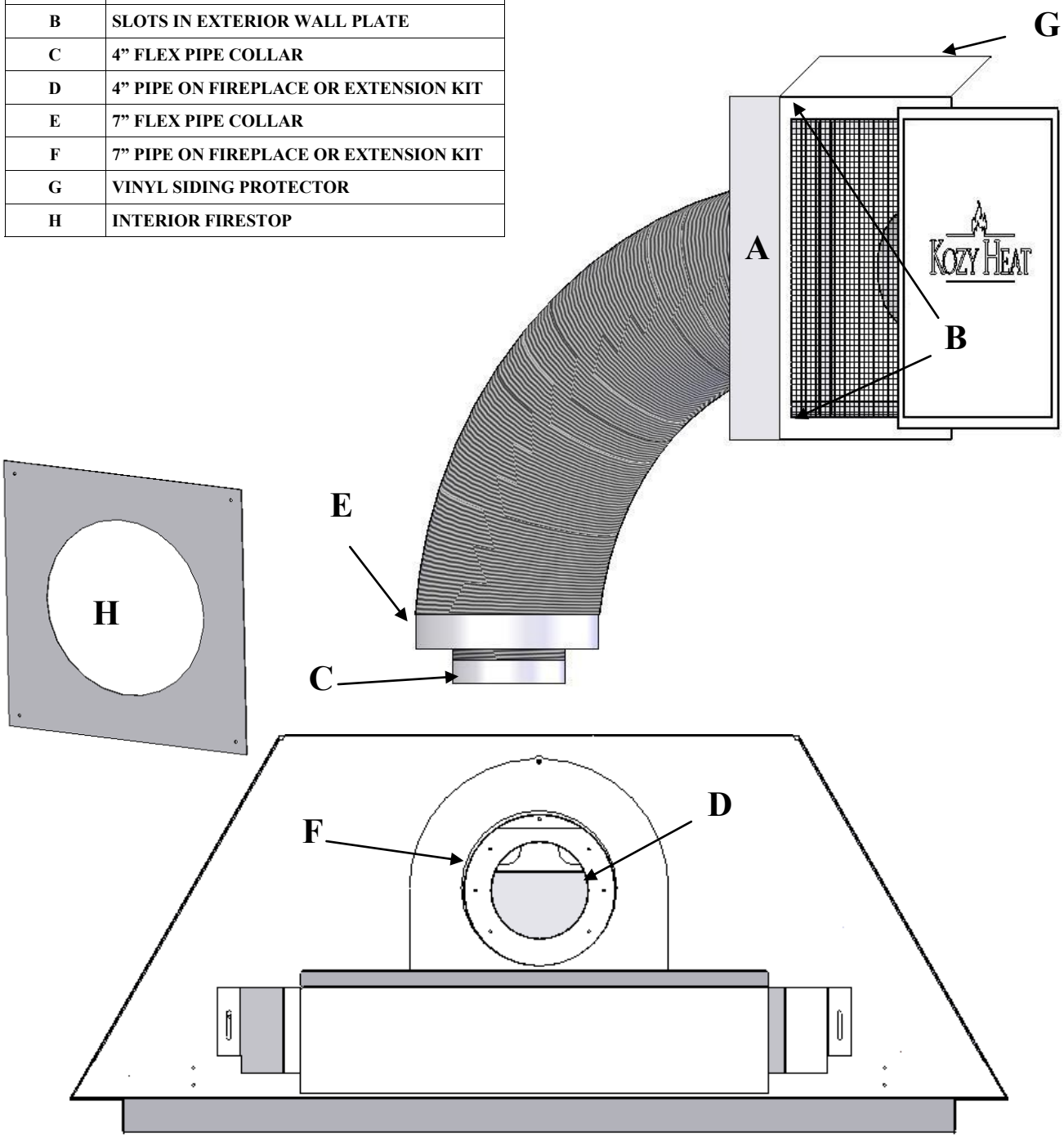


Figure 17a

TERMINATION VENT CAP LOCATION

This gas appliance must not be connected to a chimney serving any other appliance.

1. Terminations against vinyl siding must use a vinyl siding protector. Follow instructions included.
2. DO NOT RECESS TERMINATION KIT INTO OUTSIDE BUILDING MATERIALS - i.e.: brick, stone, siding, etc. If necessary, extend framing so that termination kit will be exposed once building materials are installed.
3. Vent termination must not be located where it will become plugged by snow or other material. The flow of combustion and ventilation air must be not obstructed.

LOCATION CLEARANCES

A. Above grade, veranda, porch, deck, balcony - 12" (305mm).
B. Operable window or door - CANADA: 12" (305mm). US: 9" (229mm).
C. Permanently closed window* - 12" (305mm) (Recommended to prevent condensation on window).
D. Ventilated soffit* ** - 24" (610mm).
E. Unventilated soffit* **- 12" (305mm).
F. Outside corner* - 12" (305mm).
G. Inside corner* - 12" (305mm).
H. Meter / Regulator: Not to be installed above a gas meter/regulator assembly within 3ft. (914 mm) horizontally from the centerline of the regulator within a height of 15ft. (4.57m). US*.
I. Gas Service regulator vent outlet - 3ft. (914mm).
J. Non-mechanical air supply inlet to building or the combustion air inlet to any other appliance. CANADA: 12" (305mm).

US: 9" (229mm).
K. Mechanical air supply inlet. CANADA: 6ft. (1.83m) US: 3ft. (914mm) above if within 10ft. (3.05m) horizontally.
Massachusetts installations: 10ft. (3.05m).

NOTE	**A vent cannot be located directly above a side-walk or paved driveway that is located between two single family dwellings and serves both dwellings**.

M. Under veranda, porch, deck, or balcony (must be fully opened on a minimum of 2 sides)** - 12" (305mm).
N. Between two horizontal terminations - 12" (305mm).
O. Between two vertical terminations - 12" (305mm). Terminations may be same height.
P. Above furnace exhaust or inlet - 12" (305mm).

*Clearance must be in accordance with local installation codes & the requirements of the gas supplier.
**VINYL SOFFIT / VINYL CEILING / VINYL OVERHANG DISCLAIMER
Clearances to heat resistant material (i.e. wood, metal). This does not include vinyl. Hussong Manufacturing Co., Inc. will not be held responsible for heat damage caused from terminating under vinyl overhangs, vinyl ceilings or vinyl ventilated/unventilated soffits.

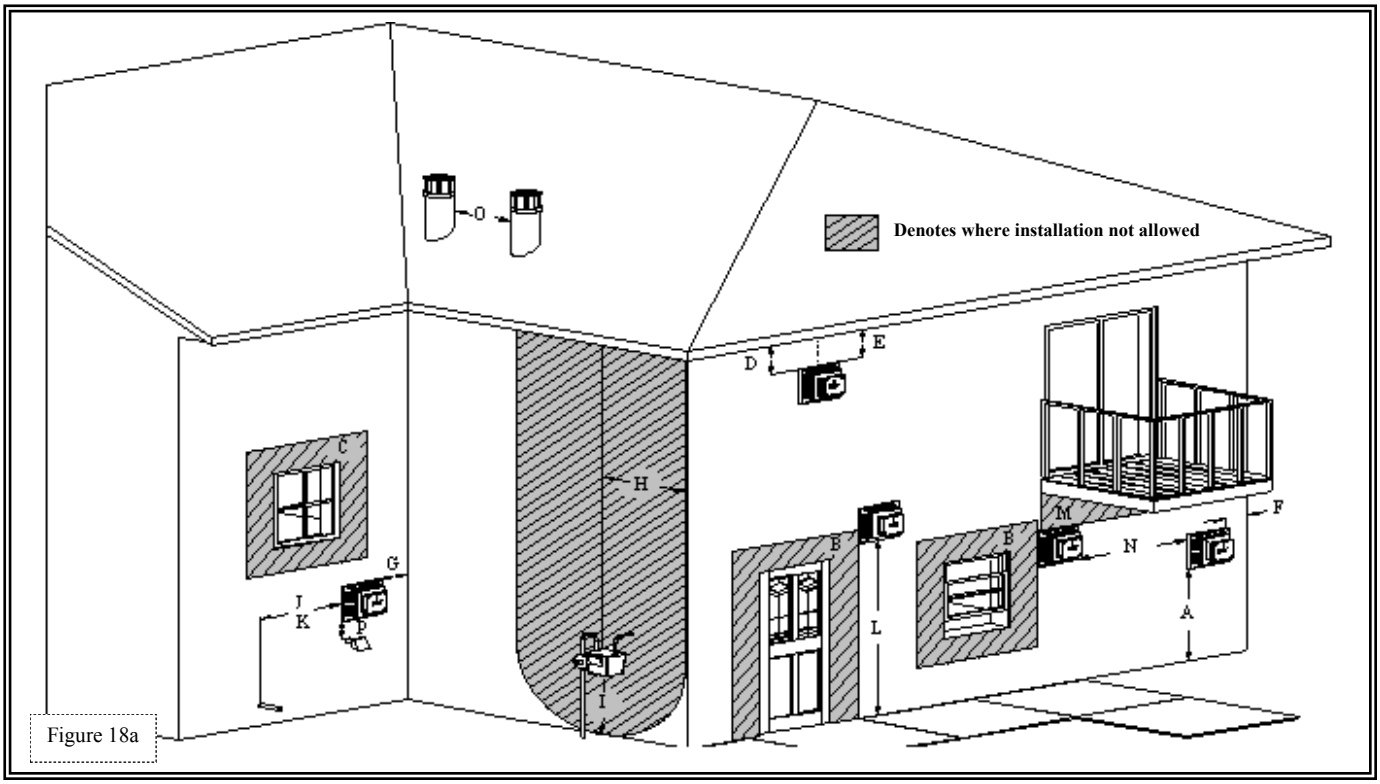


Figure 18a

VENTING (Vertical Cap Requirements)

VENT TERMINATION CLEARANCES

Roof Pitch	H (Min.) Ft.	H (Min.) m
Flat to 6/12	1.0	0.30
Over 6/12 to 7/12	1.25	0.38
Over 7/12 to 8/12	1.5	0.46
Over 8/12 to 9/12	2.0	0.61
Over 9/12 to 10/12	2.5	0.76
Over 10/12 to 11/12	3.25	0.99
Over 11/12 to 12/12	4.0	1.22
Over 12/12 to 14/12	5.0	1.52
Over 14/12 to 16/12	6.0	1.83
Over 16/12 to 18/12	7.0	2.13
Over 18/12 to 20/12	7.5	2.27
Over 20/12 to 21/12	8.0	2.44

CAUTION **This appliance must not be connected to or joined with any chimney flue serving any other appliance.**

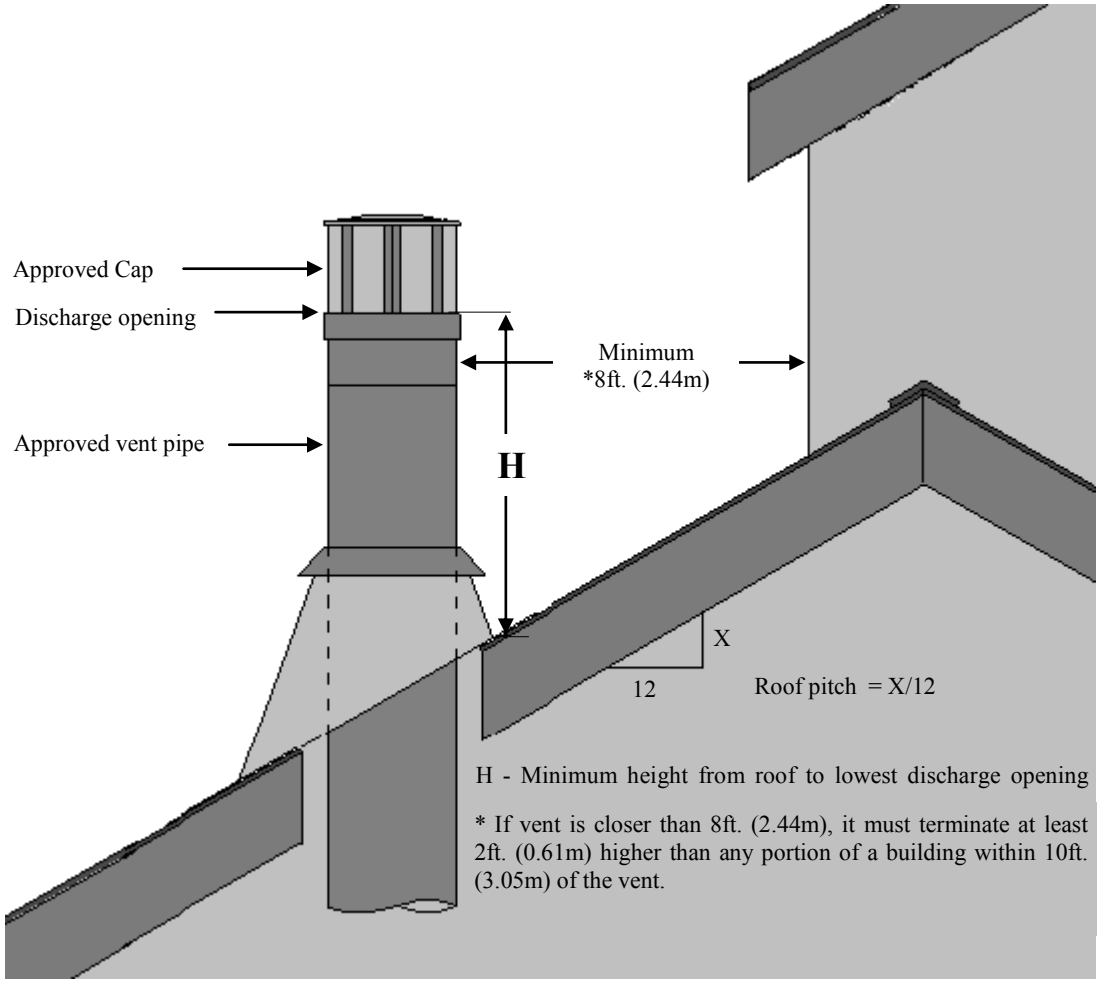

Approved Cap
Discharge opening
Approved vent pipe
Minimum
*8ft. (2.44m)
H
X
12
Roof pitch = X/12
H - Minimum height from roof to lowest discharge opening
* If vent is closer than 8ft. (2.44m), it must terminate at least 2ft. (0.61m) higher than any portion of a building within 10ft. (3.05m) of the vent.

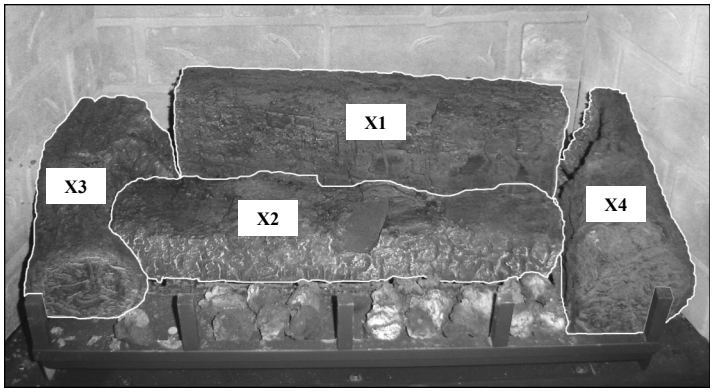
Figure 19a

#936-50E LOG SET INSTALLATION

ATTENTION	**If converting to LP (propane) gas do so now before installing log set. Follow instructions included with kit.**

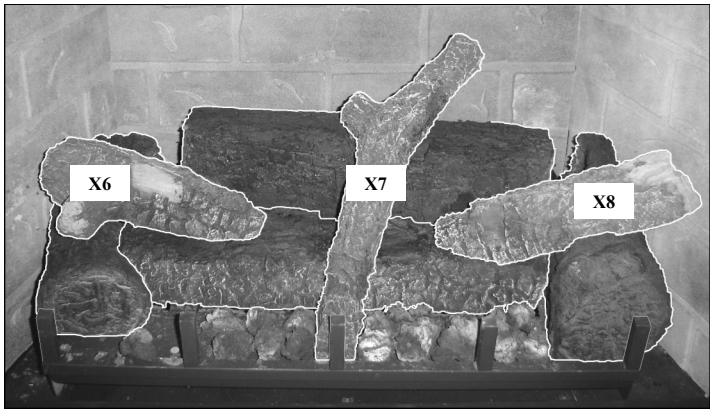
NOTE	**Log numbers are located on bottom of each log. Refer to following instructions and illustrations for proper placement.**

CAUTION	**Do not place logs directly over burner port holes. Improper log placement may affect flame appearance and cause excessive soot to build up on logs and glass.**



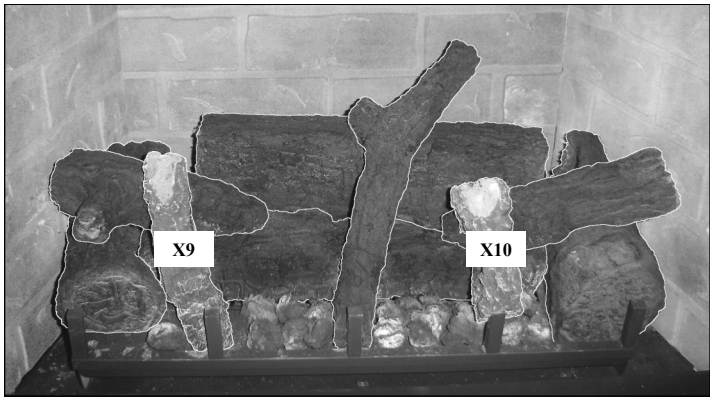
Position base logs by aligning mounting holes in bottom of logs to corresponding mounting pins on burner cover.
Pull X1 log forward toward burner tube, being careful not to obstruct burner port holes.
Randomly place Klinkers behind 2nd and 3rd log grate extensions.
Using a stiff bristle brush, distribute rock wool embers onto logs and burner.

Figure 20a



Position X6 , X7, and X8 logs into corresponding cutouts in base logs.

Figure 20b



Position X9 and X10 logs onto corresponding cutouts on base logs and center logs as shown above.
Distribute additional rock wool embers onto logs, being careful not to plug burner port holes.

Figure 20c

CONTROL BOARD REMOVAL / INSTALLATION

CONTROL BOARD REMOVAL

CAUTION	If burner and/or pilot have been burning, use appropriate protection to avoid burns or personal property damage before removing any components.

1. Turn gas control knob to OFF.
2. Shut off gas supply at manual shut-off valve.
3. Disconnect gas line flex tube from manual shut-off valve.
4. Disconnect any wall switch, remote control, or thermostat wires from TH/THTP terminals on gas valve.
5. Remove glass assembly. Page 8.
6. Remove logs.
7. Remove nuts securing burner assembly. Remove burner assembly from firebox.
8. Remove burner heat shield.
9. Remove (8) nuts securing control board. Lift board up and out of firebox.

CONTROL BOARD INSTALLATION

WARNING	DO NOT OPERATE THIS FIREPLACE WITHOUT SEALING GASKET (LOCATED UNDER CONTROL BOARD) IN PLACE.

1. Place control board in firebox, aligning holes in control board with mounting studs in firebox bottom. Ensure sealing gasket in in place on firebox bottom!
   Secure control board to firebox bottom with (8) 1/4" nuts.

CAUTION	Before securing, check that all wires are clear and unobstructed. Do not allow any wires or gas flex line to come in contact with fan terminals.

2. Install burner assembly; burner tube is positioned over burner orifice, and alignment slots are place over mounting studs on control board. Secure with 1/4" nuts.
3. Position adjustable venturi collar into mounting bracket, gently pushing bracket backwards far enough to insert venturi collar into bracket slot. See page 27 for detailed venturi adjustments and settings.
4. Install pilot shield around pilot assembly.
5. Connect gas line to manual shut-off valve.
6. Connect any wall switch, remote control or thermostat wires to terminals on valve marked TH/THTP.
7. Install log set. Page 20.
8. Install glass frame assembly. Page 8.

CAUTION	CHECK ALL CONNECTIONS FOR LEAKS WITH SOAPY WATER, WHETHER FIELD OR FACTORY MADE.

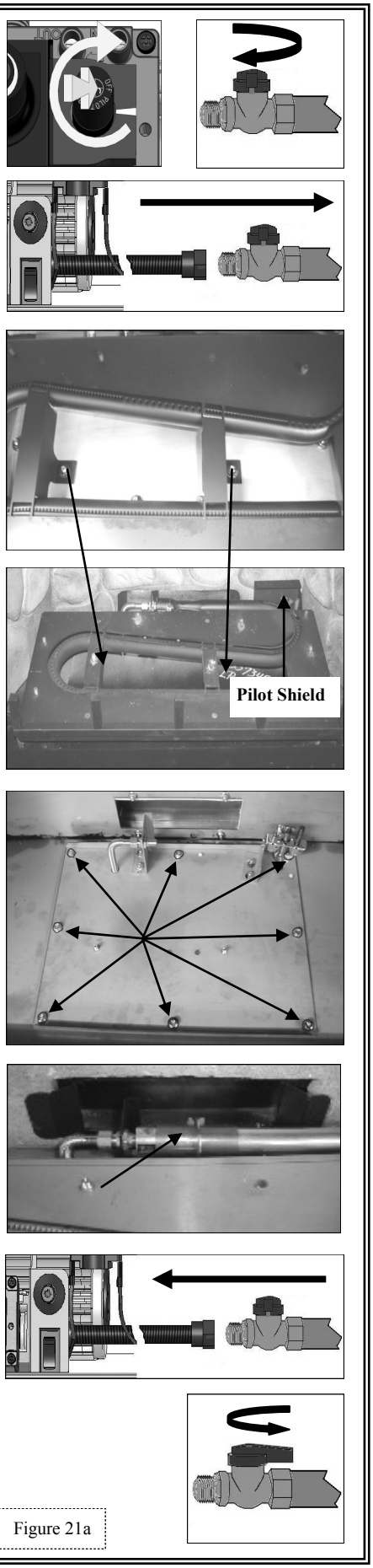
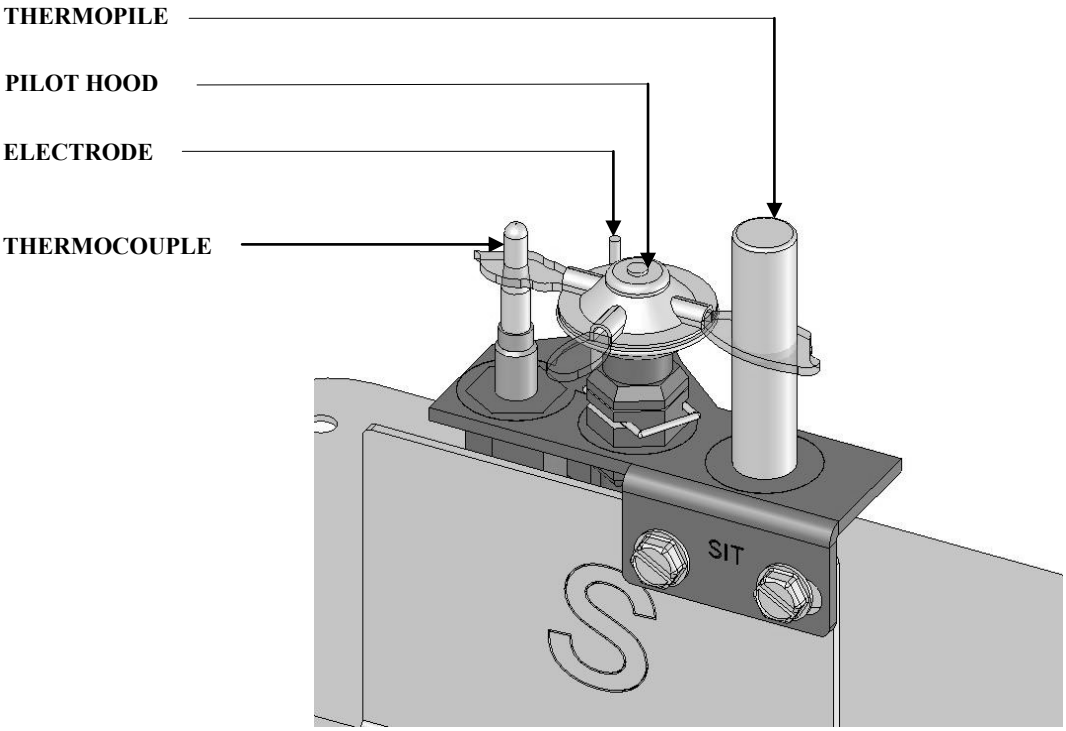


Figure 21a

VALVE & PILOT ASSEMBLY COMPONENTS



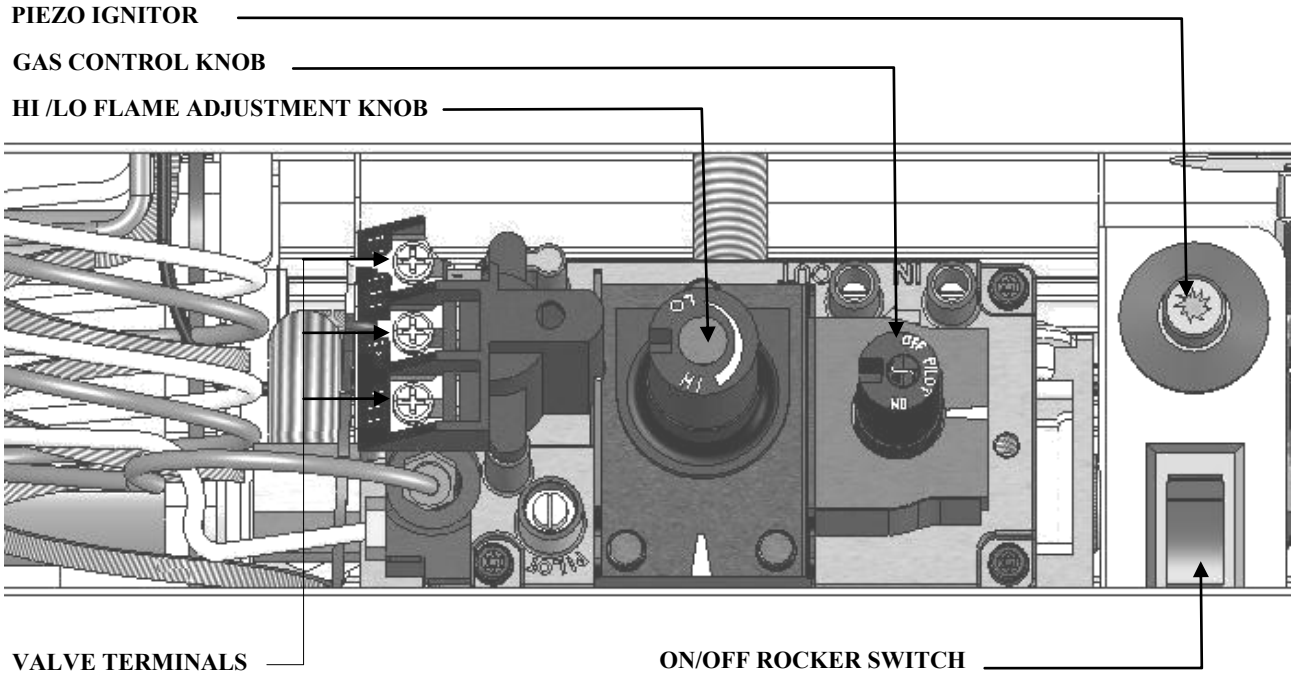


Figure 22a

LIGHTING AND SHUTDOWN

FOR YOUR SAFETY - READ BEFORE LIGHTING

WARNING	**IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.**

DUE TO HIGH SURFACE TEMPERATURES, KEEP CHILDREN, CLOTHING AND FURNITURE AWAY.

This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B. BEFORE LIGHTING, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS:

* Do not try to light any appliance.
* Do not touch any electrical switch; do not use any phone in your building.
* Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
* If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in, or turn by hand, do not try to repair it, call a qualified service technician. Forced or attempted repair may result in a fire or explosion, and loss of warranty.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system which has been under water.

WARNING	**DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.**

WARNING	**CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURES AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION. YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE. CLOTHING OR OTHER FLAMMABLE MATERIAL MUST NOT BE PLACED ON OR NEAR THE APPLIANCE.**

NOTE	**A PAINT SMELL WILL OCCUR DURING THE FIRST FEW HOURS OF BURNING. IT IS RECOMMENDED TO LEAVE THE FAN OFF DURING THIS PERIOD TO HELP SPEED THE PAINT CURING PROCESS.** **THIS FIREPLACE MAY PRODUCE NOISES OF VARYING DEGREES AS IT HEATS AND COOLS DUE TO METAL EXPANSION AND CONTRACTION. THIS IS NORMAL AND DOES NOT AFFECT THE PERFORMANCE OR LONGEVITY OF THE FIREPLACE.**

LIGHTING AND SHUTDOWN (cont.)

LIGHTING INSTRUCTIONS

1. Set thermostat to lowest setting, if installed.
2. Turn off all electrical power to appliance. (Fan).
3. Open lower grill to access gas valve & controls.
4. Push gas control knob in slightly and turn clockwise to OFF.
5. Wait five (5) minutes to clear out any gas. Then smell gas, including near the floor. If you then smell gas, **STOP!** Follow WHAT TO DO IF YOU SMELL GAS safety information below. If you don't smell gas, go to next step.

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electric switch; do not use the phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

NOTE	**Gas control knob cannot be turned from PILOT to OFF unless knob is pushed in slightly. Do not force**.

6. Locate pilot - follow metal tube from gas control. (Located inside combustion chamber).
7. Push gas control knob on gas valve in slightly and turn counterclockwise to PILOT.
8. Push valve knob in and hold while repeatedly pressing piezo igniter button until pilot is lit while continuing to hold in gas control knob.
9. Hold gas control knob in for one (1) minute after pilot is lit. Release gas control knob. If pilot goes out, repeat steps 4-5. When pilot is lit, proceed to step 6.

CAUTION	**If knob does not pop up when released, stop and immediately call your service technician or the gas supplier. If pilot will not stay lit after several tries, turn gas control knob to OFF and call your service technician or gas supplier.**

10. Push gas control knob in slightly and turn counterclockwise to ON. The burner can now be turned ON by depressing ON/OFF rocker switch located beside valve, or wall switch, OR by setting thermostat or remote control to desired setting.
11. Turn on all electric power to appliance (if applicable).

NOTE	**When fireplace is initially lit, condensation will appear on the glass; this is normal in all gas fireplaces and will disappear after several minutes.**

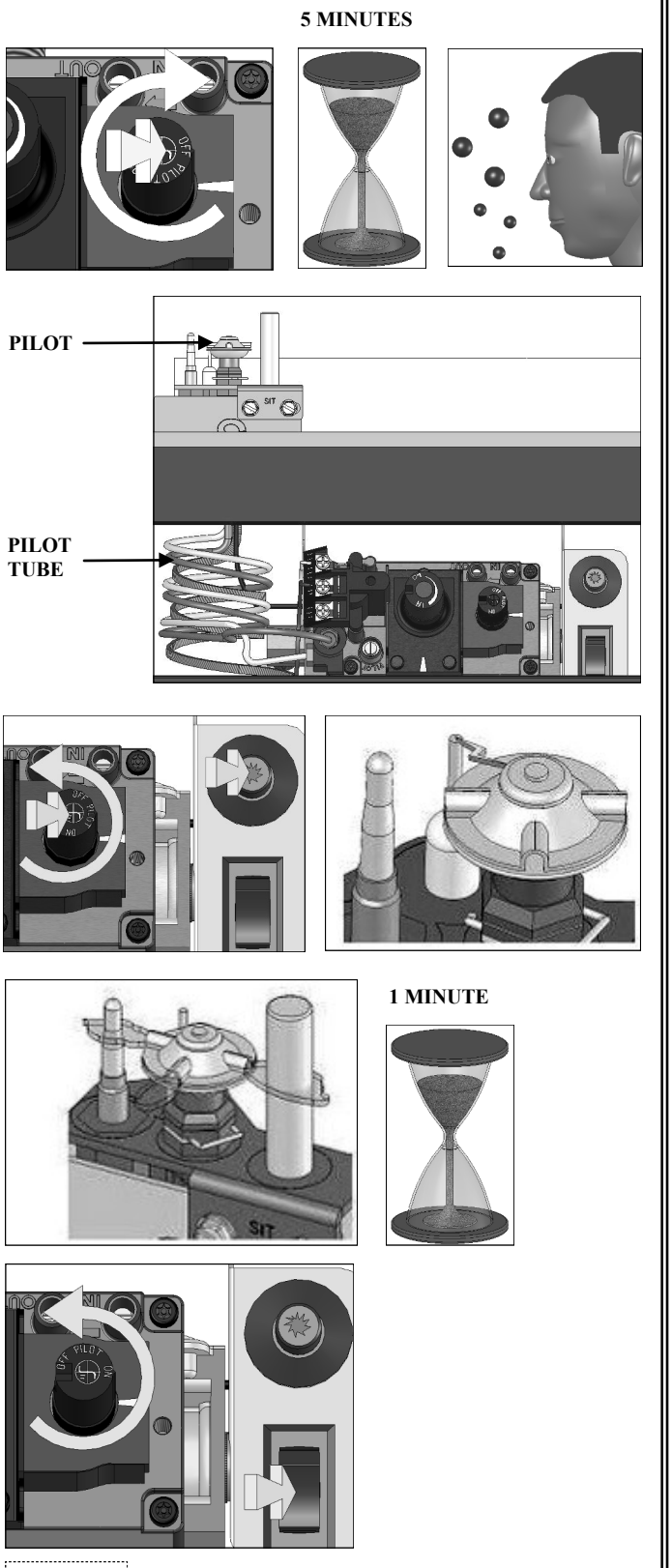


Figure 24a

LIGHTING AND SHUTDOWN (cont.)

TO TURN OFF GAS TO APPLIANCE

TURN BURNER OFF

To turn burner OFF, depress ON/OFF rocker switch to OFF, turn off wall switch or adjust setting on thermostat or remote control.

NOTE	**The pilot will stay lit.**

TURN PILOT OFF

Turn pilot off by pushing in and turning gas control knob to OFF.
DO NOT FORCE.

NOTE	**This control valve has an interlock device. If pilot has been turned off, it cannot be relit until thermocouple has cooled, (approximately 60 seconds).**

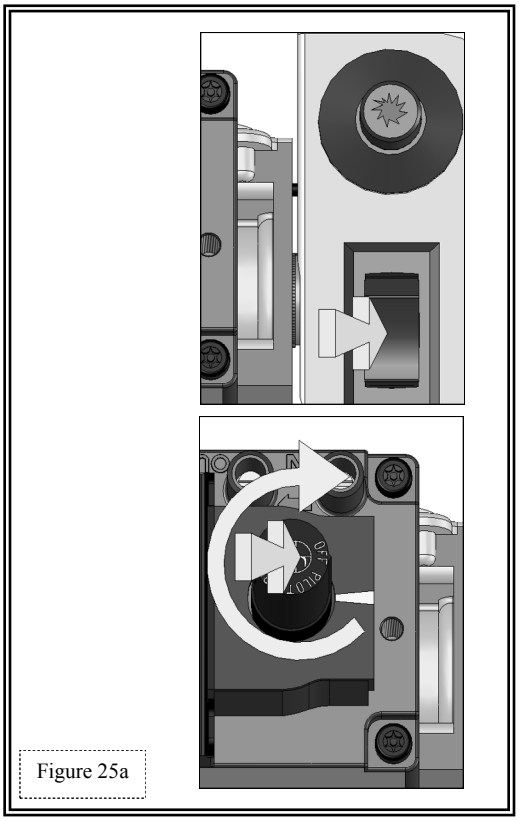


Figure 25a

ADJUSTING FLAME HEIGHT

The gas control valve has a HI /LO flame adjustment knob designed to allow you to tailor the look and heat output of your fireplace. Adjust by turning middle knob on gas control valve.

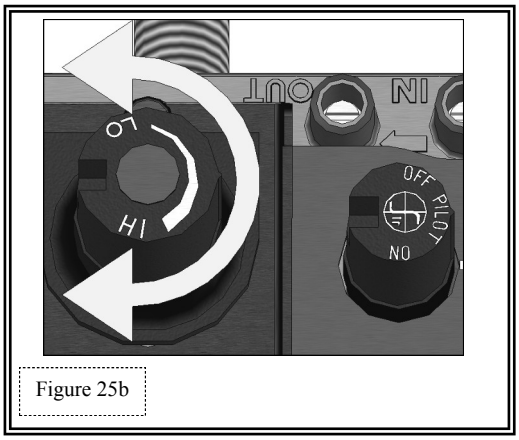


Figure 25b

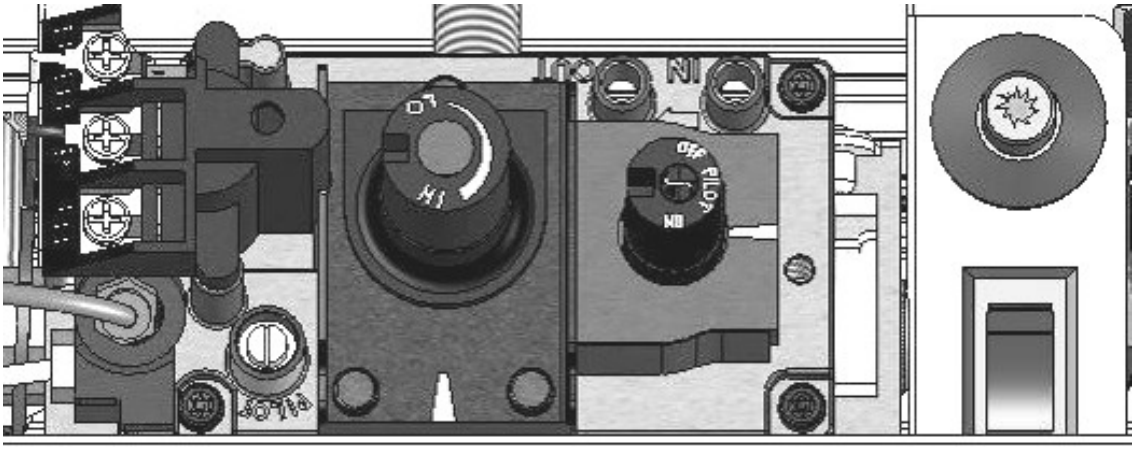


Figure 25c

PRESSURE TESTING

IMPORTANT	**Pressure check taps for manifold (outgoing) and inlet (incoming) pressure have been incorporated into the valve. The pressure tap marked OUT measures outgoing pressure and pressure tap marked IN measures incoming pressure. Follow instructions below for proper testing procedures.**

NOTE	**The appliance and its individual shutoff valve must be disconnected from gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi (3.5 kPa).** **The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas line at test pressures equal to or less than ½ psi (3.5 kPa).**

INLET PRESSURE TEST:

1. Loosen inlet (IN) pressure tap screw (counter-clockwise).
2. Attach manometer using a 5/16" I.D. hose.
3. Light pilot.
4. Turn gas control knob to ON (burner should not light). Note manometer reading.
5. Press rocker switch to ON. Check pressure to ensure it stays near maximum inlet pressure.
6. Press rocker switch to OFF.
7. Turn gas control knob to OFF.
8. Disconnect hose and tighten screw (clockwise). Screw should be snug, do not over tighten.
9. Relight pilot and turn gas control knob to ON. Reattach manometer to inlet pressure tap to verify it is completely sealed. Manometer should read no pressure.

NOTE	**If inlet pressure reading is too high or too low, contact the gas company. Only a qualified gas service technician should adjust the incoming gas pressure.**

MANIFOLD PRESSURE TEST:

1. Light pilot.
2. Loosen manifold (OUT) pressure tap screw (counter-clockwise).
3. Attach manometer to pressure tap using a 5/16" I.D. hose.
4. Turn gas control knob to ON.
5. Press rocker switch to ON and note manometer reading.
6. Press rocker switch to OFF.
7. Disconnect manometer hose and tighten screw (clockwise). Screw should be snug, do not over tighten.
8. Attach manometer to manifold pressure tap to verify it is completely sealed. Manometer should read no pressure when rocker switch is pressed to ON.

CAUTION	**A LOW PRESSURE READING CAN CAUSE DELAYED IGNITION.**

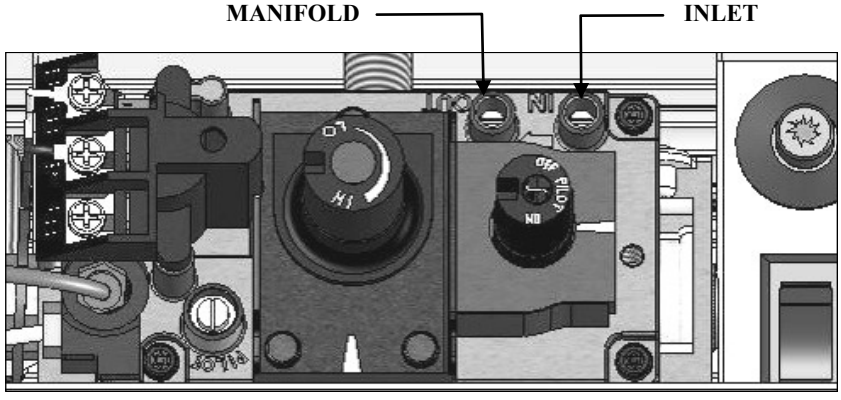


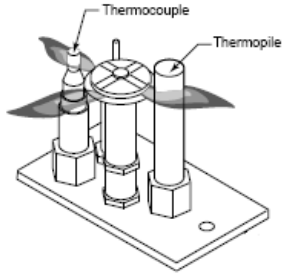
Figure 26a

FINALIZING THE INSTALLATION

FLAME APPEARANCE:

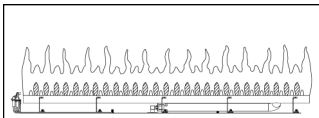
Flame appearance is affected by several factors including altitude, venting configuration and fuel quality. Although the venturi setting has been factory set, adjustments may be necessary for optimal performance and visual aesthetics.

When fireplace is first lit, the flames will be blue. Flames will gradually turn yellowish-orange during first 15 minutes of operation. If flames remain blue, or become dark orange with evidence of sooting (black tips), the burner tube venturi may need adjustment.

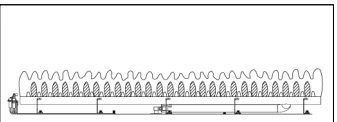


Correct pilot flame

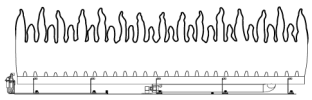
Figure 27a



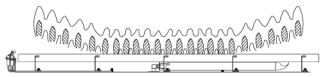
Lazy yellow flames - ideal



Short blue flames
venturi open too far



Dark orange flames / black tips
Venturi closed too far
Excessive burner media



Lifting (ghosting) flames
Improper Venting
Gas pressure too high

Figure 27b

WARNING	**Burner tube adjustable venturi positioning should only be performed by a qualified professional service technician.**

FACTORY SET BURNER TUBE VENTURI SETTINGS (ADJUST AS NECESSARY FOR YOUR INSTALLATION)	
NATURAL GAS	**LP (PROPANE) GAS**
3/16" (5 mm) OPEN	**5/8" (16 mm) OPEN**

BURNER TUBE VENTURI ADJUSTMENT GUIDELINES		
VENTURI POSITION	**FLAME COLOR**	**VENTURI ADJUSTMENT**
Closed too far	**Dark orange flame with black tips**	**Open venturi setting slightly**
Open too far	**Blue flames**	**Close venturi setting slightly**

NOTE	**If soot is present, check log positioning before adjusting burner venturi. Logs must not block burner ports.**

IMPORTANT	**SLIGHT ADJUSTMENTS TO BURNER VENTURI OPENING CREATE DRAMATIC RESULTS. ADJUST AT SLIGHT INCREMENTS UNTIL DESIRED LOOK IS ACHIEVED. ALWAYS BURN FIREPLACE FOR AT LEAST 15 MINUTES AND ALLOW TIME TO COOL BEFORE MAKING ANY FURTHER ADJUSTMENTS.**

TO ADJUST VENTURI:

1. Venturi handle is attached to top of valve bracket (under firebox).
2. Adjust by pulling lever down slightly and sliding in either direction. Adjusting handle to far left closes venturi completely, while adjusting to far right opens venturi completely. Normally the ideal setting lies somewhere between these two points.
3. Light fireplace. Wait at least 15 minutes before determining if any further adjustments are necessary.

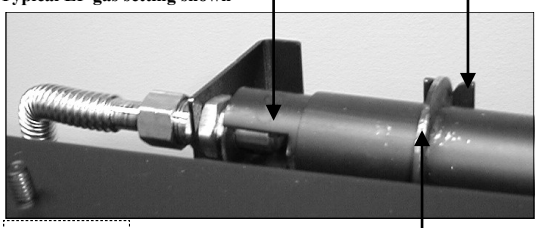
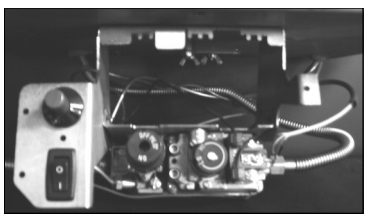
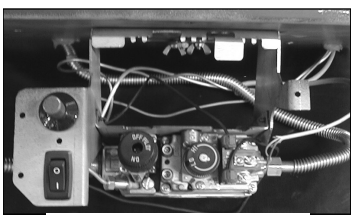


Figure 27c



Typical NAT. gas setting



Typical LP gas setting

FINALIZING THE INSTALLATION

RESTRICTOR USAGE:

Turn fireplace on and allow to burn for 15 minutes.
If flames indicate there is excessive draft (flickering, short flames), a restrictor may be necessary.
If flames indicate insufficient draft (lifting or ghosting flames), a previously installed restrictor may need to be modified or removed.

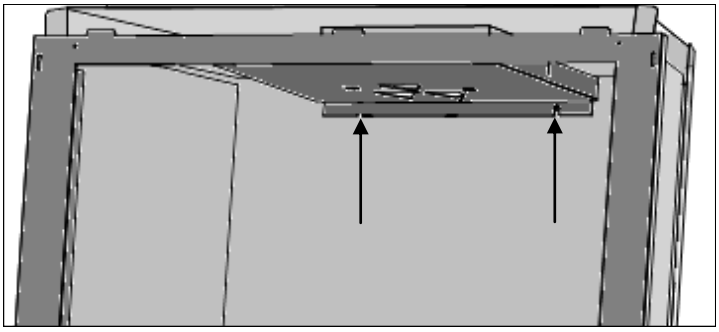
WARNING	TO AVOID PROPERTY DAMAGE OR PERSONAL INJURY, ALLOW FIREPLACE AMPLE TIME TO COOL BEFORE MAKING ANY ADJUSTMENTS AND / OR INSTALLATIONS.

RESTRICTOR TROUBLESHOOTING		
FLAME APPEARANCE	**DRAFT PROBLEM**	**RESTRICTOR SOLUTION**
Short, flickering	Excessive draft - not enough restriction	Add restrictor
Lifting or ghosting*	Insufficient draft - too much restriction	Remove inner ring (s) on restrictor or remove restrictor
* Improper venting installation may cause flames to lift or "ghost" - a dangerous situation. Inspect flames after installation to ensure proper performance. If determined that venting is correct, and the restrictor has been removed, yet flames are still lifting or ghosting, shut off gas supply to fireplace and call a qualified service technician.		

RESTRICTOR INSTALLATION / MODIFICATION (after termination completion):

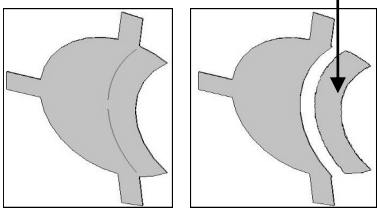
If it is determined that a restrictor is needed or restrictor modification is required after termination is installed, access can be reached through fireplace baffle. Please remove logs and refractory (if installed) to avoid damaging these components.

1. Remove (2) nuts securing baffle. Remove baffle to expose venting.
2. Depending on your specific needs, determined by chart above along with other factors, make necessary modifications.
3. If installation of a restrictor (included in fireplace components packet) is necessary, bend tabs on restrictor to approx. 80 degree angles to create tension when inserted into exhaust pipe on fireplace. Insert restrictor into 4" exhaust pipe with tabs pointing towards you.
4. If modification is necessary, remove restrictor by pulling it down and out of 4" exhaust pipe.
5. Reinstall baffle by resting baffle front above flange along inside top of firebox opening. Tip baffle backwards against rear firebox wall. Secure with (2) nuts previously removed, being careful not to over-tighten. Baffle needs to 'float'.
6. Reinstall refractory and log set.
7. Attach glass frame assembly and light fireplace. Wait 15 minutes before determining if any further modifications are necessary.



Remove baffle to expose venting.

Remove tab (s) to create small restrictor



Large

Bend tabs to approx. 80 degree angles to create tension to hold itself in place when installed.

Slide restrictor into exhaust pipe at top of fireplace with tabs pointing towards you.

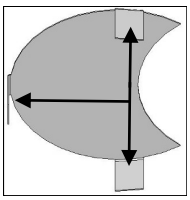


Figure 28a

FINALIZING THE INSTALLATION

SEASONAL HEAT DUMP

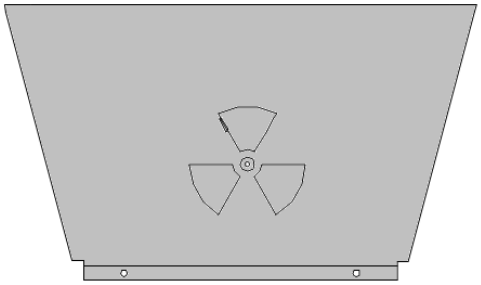
This fireplace insert has been manufactured with a heat dump damper located at the inside top of firebox. This allows infinite control over the amount of heat emitted into the living area without affecting flame height.

INSTALLER: Please install this fireplace insert with the heat dump in the closed position.

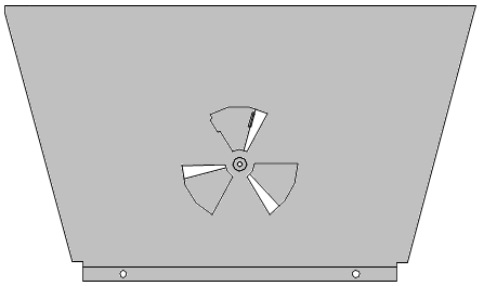
HOMEOWNER: This fireplace insert has been installed with the heat dump in the closed position and will operate at its peak efficiency at this setting. The heat dump may be opened as much as necessary to maintain desired heat level.

CAUTION	**Do not attempt to adjust heat dump opening if fireplace has been in operation. Allow ample time to cool or use appropriate protection to avoid serious burns and / or property damage.**

Remove glass frame assembly. Open or close heat dump as desired. Re-install glass frame assembly.



Shown in closed position



Shown in partial open position

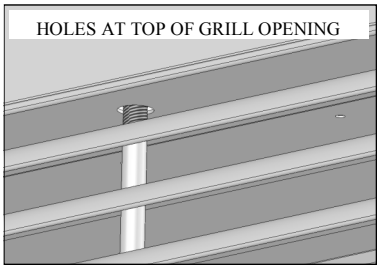
Figure 29a

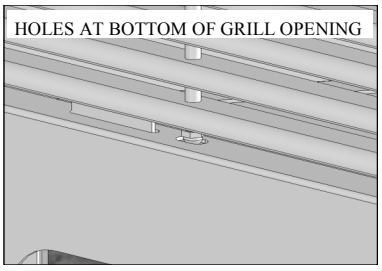
GRILL SET (sold separately)

INSTALLATION

A. Align rods in upper grill to holes at the top of upper grill opening. Push grill up until bottom clears face frame. Set down into holes at bottom of grill opening.

B. Remove nuts from lower grill assembly. Insert bolts in grill through lower grill hinges. Secure with nuts.





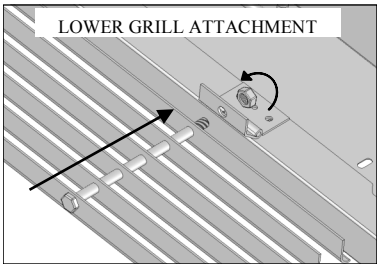


Figure 29b

REMOVAL

A. Lift upper grill up and out of opening.

B. Remove nuts securing lower grill to hinges. Remove from fireplace. Reattach nuts to grill.

MAINTENANCE

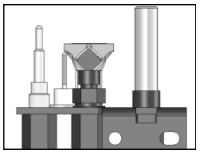
The appliance is required to be inspected at least once a year by a professional service person.

The compartment below firebox (behind lower grill) must be cleaned at least once a year, more frequent cleaning may be required due to excessive lint from carpeting, bedding materials, or other fibrous materials. It is imperative that the burner be cleaned once a year.

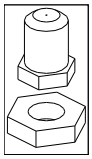
NOTE	INSTALLATION AND REPAIR SHOULD BE DONE ONLY BY QUALIFIED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND ANNUALLY BY A QUALIFIED SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIALS, ETC. IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATION AIR PASSAGEWAYS OF THE APPLIANCE BE KEPT CLEAN.

CONTROL BOARD SYSTEM

- **Annual cleaning of burner system is required. Vacuum all components thoroughly.**
- **The burner assembly may be removed for easier access. Refer to page 21 in this installation manual for complete instruction on removing & reinstalling burner assembly.**
- **Visually check for blocked port holes, especially near the pilot. Blocked port holes may cause delayed ignition.**
- **Reinstall burner assembly following instructions on page 21 of this installation manual.**
- **Visually check pilot light and burner when in operation. Flames should be steady, not lifting or floating.**



Pilot



Burner Orifice

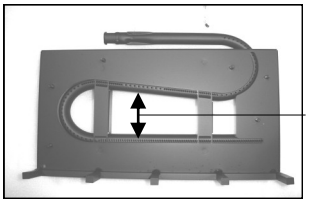


Figure 30a

FAN

The fan should be disconnected from electrical current, and cleaned (vacuumed) every six months. The bearings are sealed and require no oiling.

VENT SYSTEM

Annual examination of venting system by a qualified agency is required.

IF VENT-AIR INTAKE SYSTEM IS DISASSEMBLED FOR ANY REASON, RE-INSTALL PER INSTRUCTIONS PROVIDED WITH INITIAL INSTALLATION.

The flow of combustion and ventilation air must not be obstructed.

GLASS CLEANING & REPLACEMENT

- **Clean glass only when cool and only with non-abrasive cleansers.**
  WARNING: DO NOT OPERATE APPLIANCE WITH GLASS/FRAME ASSEMBLY REMOVED, CRACKED OR BROKEN. REPLACEMENT OF THE GLASS SHOULD ONLY BE PERFORMED BY A LICENSED OR QUALIFIED SERVICE PERSON.
- **Use protective gloves to handle any broken or damaged glass assembly components.**
- **The glass assembly, part #700-07T, shall only be replaced as a complete unit, as supplied by Hussong Mfg. Co., Inc.**
- **Replacement of glass & frame assembly, part #700-07T, must only be performed by a licensed or qualified service person.**
  DO NOT SUBSTITUTE MATERIALS.
- **Do not strike or slam glass door assembly.**

IMPORTANT	ANY SAFETY SCREEN OR GUARD REMOVED FOR SERVICING MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE.

CAUTION	LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING. KEEP APPLIANCE AREA CLEAR OF COMBUSTIBLE MATERIALS, SUCH AS GASOLINE AND OTHER FLAMMABLE VAPORS AND LIQUIDS.

TROUBLESHOOTING

CAUTION	THE FOLLOWING MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

NO SPARK FROM ELECTRODE TO PILOT WHEN PIEZO BUTTON IS TRIGGERED.

A. Check wiring at back of piezo for proper connection.

B. Check wiring at electrode for proper connection.

C. Check position of electrode (1/8" (3mm) between electrode and pilot). Readjust if necessary.

D. Look for arc below electrode and along electrode wire. Direct metal contact may cause an arc below electrode.

SPARK IGNITER WILL NOT LIGHT AFTER REPEATED TRIGGERING OF PIEZO BUTTON.

A. No gas or low gas pressure.

- Check remote shut off valves from fireplace. Usually there is a valve near the main. There may be more than (1) valve between the fireplace and the main.
- Low gas pressure can be caused by several situations such as a bent line, too narrow diameter pipe, or low line pressure. Consult with plumber or gas supplier.

B. No LP in tank.

- Check LP (propane) tank. Refill if necessary.

PILOT WILL NOT STAY LIT AFTER CAREFULLY FOLLOWING LIGHTING INSTRUCTIONS.

Check that pilot flame impinges on thermocouple. Clean and/or adjust pilot for maximum flame impingement.

B. Ensure thermocouple connection at gas valve is fully inserted and tight (hand tight plus 1/4 turn).

C. Thermocouple reading below 15 millivolts.

- Disconnect thermocouple from valve, place one millivolt meter lead wire on end of thermocouple and other millivolt meter lead wire on thermocouple's copper wire. Start pilot while holding valve knob in. If millivolt reading is less than 15 millivolts, replace thermocouple.

D. Thermopile not generating sufficient millivolts.

- Pilot flame must be enveloping thermopile. Adjust pilot flame if necessary.
- Check thermopile wire connections at valve. Tighten if necessary.
- Check thermopile with millivolt meter. Turn remote / thermostat / wall switch or ON/OFF switch to OFF. Turn valve knob to PILOT position (pilot should remain lit). Take reading at THTP & TP terminals on gas valve. Reading should be 350 millivolts minimum. Replace thermopile if reading falls below specified minimum.

TROUBLESHOOTING

BURNER WILL NOT LIGHT

A. Gas control knob not turned to ON.

B. ON/OFF switch not turned on.

C. Remote, wall switch or thermostat not turned ON.

D. Plugged main burner orifice.

E. Remote, wall switch, thermostat, or ON/OFF switch wires defective.

- Check wires for proper connections. Place jumper wires across terminal at switch. If burner lights, replace defective switch.
- If switch checks ok, place jumper wires across switch wires on gas valve. If burner lights, wires are faulty or connections are bad.

FREQUENT PILOT OUTAGES

A. Pilot shield not installed.

B. Pilot flame too high or too low, causing pilot safety to drop out.

- Clean and adjust flame for maximum flame impingement on thermopile.

BURNER WON'T STAY LIT

A. Thermopile wires loose at valve terminals.

- Tighten if necessary.

B. Thermopile wires ground out due to pinched wires.

- Free pinched wires if necessary.

C Refractory panel placement.

- Refractory panels must be tight against firebox walls. It may be necessary to secure panels with high-temp sealant, especially around the intake duct.

MORE TROUBLESHOOTING ON FOLLOWING PAGE

TROUBLESHOOTING

PILOT AND BURNER EXTINGUISH WHILE IN OPERATION

A. No LP (propane) in tank.

- Check tank and refill if necessary.

B. Glass frame assembly not installed correctly.

- Refer to page 8 in this manual for proper glass frame assembly installment instructions.

C. Defective thermopile or thermocouple.

- Check thermopile and thermocouple for proper millivolts.

D. Improper pitch on horizontal vent.

- 1/4" (6 mm) rise per foot is required on horizontal venting.

E. Inner vent pipe leaking exhaust gases back into firebox.

- Check for leaks. Repair if necessary.

F. Improper vent cap installation.

- Check for proper vent cap installation. Maximum downward slope of horizontal vent cap is 1/4" (6 mm). Adjust if necessary.
- Check vent cap for blockage. Remove debris if necessary.

G. Excessive draft.

GLASS SOOTING

A. Improper log placement.

- Refer to log placement instructions on page 20 of this installation manual.

B. Improper venturi setting.

- Venturi may need to be opened slightly to allow more air into the gas mix.

C. Improper pitch on horizontal venting.

- 1/4" (6 mm) rise per foot is required on horizontal venting.

FLAME BURNS BLUE AND LIFTS OFF BURNER

A. Improper Venturi setting.

- Venturi may need to be closed slightly.

B. Improper vent cap installation.

- Check for proper vent cap installation.

C. Blockage or vent system leaks.

CONVERSION KIT INSTRUCTIONS

#OCK-S31A NAT GAS CONVERSION KIT / #OCK-S51A LP GAS CONVERSION KIT

WARNING	**This conversion kit shall be installed by a qualified service agency in accordance with the manufacturers instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or productions of carbon monoxide may result, causing property damage, personal injury or loss of life. The qualified service agency is responsible for proper installation of this kit. The installation is not proper and complete until operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit. Refer to appliance owner's manual or product data plate for proper inlet and manifold pressure adjustments and orifice sizing.**

This kit includes: (1) Valve Conversion Instructions (1) Gas Pilot Injector (1) Gas Conversion Label
(1) Burner Orifice #31 NAT / #51 LP (1) Gas Label
(1) Pilot Orifice (BL22N-NAT / BL14LP-LP) (1) Pilot Conversion Instructions

CAUTION	**THE GAS SUPPLY SHALL BE SHUT OFF PRIOR TO DISCONNECTING THE ELECTRICAL POWER, BEFORE PROCEEDING WITH THE CONVERSION.**
WARNING	**SHUT OFF GAS SUPPLY AND ELECTRIC POWER TO FIREPLACE.** **SHUT OFF GAS SUPPLY BEFORE DISCONNECTING ELECTRIC POWER.**

IMPORTANT	**For high altitude installations: Above 2000ft. (610m) US / 4500ft. (1372m) Canada, consult the local gas distributor or authority having jurisdiction for proper de-rating methods**.

PREPARE FIREPLACE:

1. Turn fireplace off by pushing in and turning gas control knob clockwise to OFF position.
2. Remove upper grill, glass frame assembly*, logs*, and burner assembly* from fireplace.

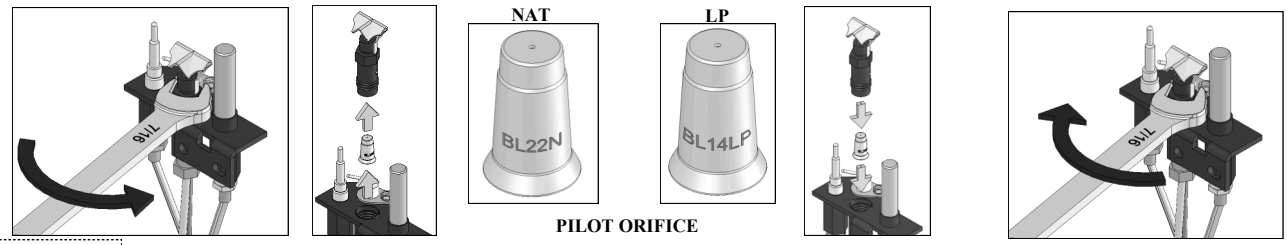


Figure 34a

CONVERT PILOT ASSEMBLY:

1. Using a 7/16" wrench, loosen and remove pilot hood by turning counter-clockwise.
2. Remove pilot orifice located inside pilot housing. Install pilot orifice included with kit. (Number stamped on pilot orifice)
   NAT: BL22N / LP: BL14LP
3. Re-attach pilot hood. Tighten with wrench, making sure hood is centered between thermopile and thermocouple.

REPLACE BURNER ORIFICE:

Remove existing orifice cap. Install orifice cap included with kit, making sure to tighten cap securely. (Number stamped on orifice).
NAT: #31 / LP: #51

CONVERT HI/LO REGULATOR ON GAS VALVE:

Follow instructions included with kit to convert gas valve.

CONVERSION KIT INSTRUCTIONS

COMPLETE THE CONVERSION:

1. Re-install burner assembly into fireplace, checking to ensure burner venturi is properly seated over burner orifice and venturi collar ring is inserted into venturi bracket slot.

2. Adjust external venturi (located at top of valve bracket). Pull lever down slightly and move lever to correct setting. See photos below. **CORRECT SETTINGS: NAT: 3/16" (5mm) open / LP: 5/8" (16mm) open**

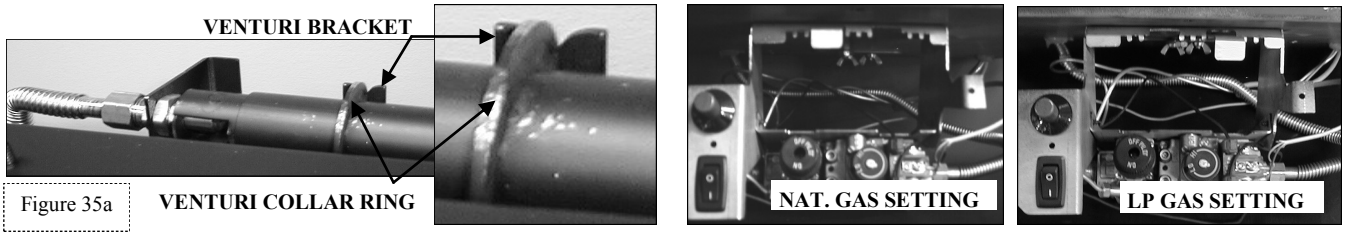
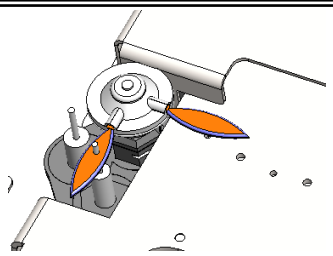


Figure 35a

3. Re-install pilot shield.
4. Re-install logs*.
5. Light pilot and turn burner on*.
6. Check for leaks at all connections with soapy water, whether field or factory made.
7. Test both inlet and manifold pressures*.
8. Visually check pilot flame. Flame should envelope top of thermocouple and thermopile 3/8" (10 mm) to 1/2" (13 mm), and extend onto burner far enough for proper ignition.

   To Adjust pilot: Remove pilot adjustment screw from gas valve. Turn inner pilot adjustment screw clockwise to decrease or counter-clockwise to increase pilot flame. Re-install pilot adjustment screw cover and tighten.
9. Turn burner and pilot off.
10. Affix Gas sticker over existing label on metal tag.
11. Re-install glass frame assembly and upper grill*.
12. Verify proper ignition and operation of fireplace.
13. Complete and affix 'Gas Conversion' label behind lower grill as close to gas valve as possible.

*** REFER TO FIREPLACE INSTALLATION MANUAL IF NECESSARY.**



PROPER BURNER / PILOT ORIENTATION
(Your pilot may look slightly different than one shown)

Figure 35b

Fireplace Model No.:_____

This appliance and control was converted on_____to

_____gas with Kit No.:_____by

*Company:*_____

*Address:*_____

Which accepts responsibility that this conversion has been properly made.

Minimum / Maximum inlet pressures: Refer to rating plate

Manifold Pressure: Refer to rating plate.

Orifice size:_____Input Rating:_____ BTU

Complete and affix as close as possible to rating plate.

GAS CONVERSION LABEL
(included with conversion kit)

Figure 35c

REPLACEMENT PARTS LIST

Replacement parts are available through your local dealer. Contact them for availability and pricing.

MILLIVOLT BOARD AND PARTS			
936-E770	Millivolt Board - Nat Gas	700-094	Pilot Orifice - Natural Gas
936-E771	Millivolt Board - LP Gas	700-095	Pilot Orifice - LP Gas
700-023	On/Off Rocker Switch	700-098	Pilot Hood
700-086N	S.I.T. Valve - Natural Gas	700-203	Manual Shut-off Valve
700-087	S.I.T. Valve - LP Gas	700-213B	18" Flexible Gas Line-Black
700-088	Pilot / Generator / Thermocouple - Nat Gas	700-225F	18" Flexible Gas Line-Valve to Burner Connection
700-089	Pilot / Generator / Thermocouple - LP Gas	700-231	Natural Gas Orifice #31
700-090	Piezo Igniter w/ Wire	700-251	LP Gas Orifice #51
700-091	Flexible Pilot Tubing (Valve to Pilot)	OCK-S31A	Natural Gas Conversion Kit
700-092	Millivolt Generator	OCK-S51A	LP Gas Conversion Kit
700-093	Thermocouple	936-035	Burner Tube
936-043	Pilot Shield	936-E35A	Burner Plate

LOG SET	
936-50e	Log Set
X1	#1 Log
X2	#2 Log
X3	#3 Log
X4	#4 Log
X5	#5 Log
X6	#6 Log
X7	#7 Log
X8	#8 Log
X9	#9 Log
X10	#10 Log
900– KLK	Klinkers
900 - REMB	Rock Wool Embers

GLASS & GLASS GASKET	
700-07T	17" x 30" Glass w/ Gasket
900-006	1-1/8" Glass Gasket w/ Adhesive

REFRACTORY PANELS	
936-900	Refractory Panel Set (3 pc.)
936-G900B	Back Refractory Panel
936-G900S	Side Refractory Panel (1 pc.)

**Consult your dealer for information on optional accessories available for this fireplace.*

This appliance tested & certified by:
OMNI - Test Laboratories, Inc.
13327 NE Airport Way
Portland OR. 97230

Model #936

Manufactured by:

Hussong Mfg. Co., Inc.
204 Industrial Park Drive
Lakefield, Minnesota 56150
507-662-6641

www.kozyheat.com

LIMITED WARRANTY

KOZY HEAT LIMITED 10 YEAR WARRANTY

This limited 10 Year Warranty will not become effective until the Warranty Registration Form has been completed and mailed to Hussong Manufacturing Co., Inc., P.O. Box 577, Lakefield, MN 56150. This registration form must be received within 30 days of installation. Failure to do so may result in delayed warranty coverage and submission of proof of purchase will be required.

Hussong Manufacturing Co., Inc. warranties to the original purchaser of this Kozy Heat Fireplace, that it is free of defects in materials and workmanship at the time of manufacture.

Subject to the following conditions & requirements, Hussong Manufacturing Co., Inc. extends the following limited warranty under normal use and service, with respect to the Kozy Heat line of gas burning fireplaces.

YEAR 1: Subject to the conditions & requirements listed below, within the first year from date of purchase, Hussong Manufacturing Co., Inc. shall, at its discretion, replace or repair any such defect in material or workmanship, at Hussong Manufacturing Co., Inc.'s expense, including reasonable labor costs to repair or replace the defective component, if a factory pre-authorization is given for the repair.

YEARS 2-10: Subject to the conditions & requirements listed below, beginning with the first day of the second year and continuing through the tenth year, Hussong Manufacturing Co., Inc., will at its discretion, provide repair or replacement parts at current list prices for any defect in material or workmanship of components, including optional components and accessories (if available). Hussong Manufacturing Co., Inc. shall not be responsible for any installation, labor, transportation of other indirect costs.

LIMITATION OF LIABILITY

To make a claim under this warranty, the purchaser must first contact the dealer/installer from whom the fireplace was purchased.

This limited warranty will be void if the fireplace is not installed by a qualified installer and according to the installation instructions. Use of unauthorized components will make this warranty null and void.

This limited warranty also is void if the fireplace is not operated, at all times, according to the operating instructions furnished.

This warranty is limited to defects in material and workmanship. It does not apply to any product that has been subject to negligence, misapplication, improper installation.

No person is authorized to extend the time of this warranty or to accept on Hussong Manufacturing Co., Inc.'s behalf any additional obligation of liability connected with the unit.

It is expressly agreed and understood that this warranty is Hussong Manufacturing Co., Inc.'s sole obligation and purchaser's exclusive remedy for defective fireplace equipment. Hussong Manufacturing Co., Inc. shall not be liable for any consequential, incidental or contingent damages whatsoever. The foregoing warranty is exclusive and in lieu of all other expressed warranties. Hussong Manufacturing Co., Inc. shall not be held to implied warranties or merchantability and fitness for a particular purpose. This warranty replaces all previous warranty policies.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Hussong Manufacturing Co., Inc. reserves the right to make changes at any time, without notice, in design, material, specifications and prices. Hussong Manufacturing Co., Inc. reserves the right to discontinue models and products.

WARRANTY CONDITIONS & REQUIREMENTS:

1. You are the original purchaser. This warranty is not transferable.
2. Installation of the fireplace is performed by a qualified installer.
3. Installation and operation must comply with installation and operation instructions.
4. Paint and glass gaskets are covered for 30 days from date of purchase.
5. Remote controls and all optional accessories are covered for 1 year from date of purchase.
6. This warranty does not offer coverage for Light Bulbs or Batteries (whether factory, dealer or installer supplied). This includes any damage stemming from either component's nonuse.
7. Components broken, (including glass panels), during shipping, careless handling of components, or defects resulting from improper installation, misuse of the fireplace and components are not covered under this warranty.
8. This warranty does not cover any part of the fireplace or any components which have been exposed to or submerged under water.
9. Hussong Manufacturing Co., Inc. must be notified by the dealer the fireplace was purchased from or a qualified installer/service technician of the defect.
10. Annual service of the fireplace as required in the installation manual, is performed by a qualified installer/service technician. (Copies of such service records may be required to claim a warranty).
11. All previous warranty/service has been performed by a qualified installer or service technician.

Effective September 01, 2011

LIFETIME WARRANTY

THIS LIFETIME WARRANTY COVERAGE WILL BE EXTENDED AS DESCRIBED BELOW PROVIDED ALL WARRANTY CONDITIONS AND REQUIREMENTS ARE MET AS OUTLINED IN THE 10 YEAR LIMITED WARRANTY POLICY.

LIFETIME WARRANTY COVERAGE

LIFETIME WARRANTY IS EXTENDED AS FOLLOWS: Hussong Manufacturing Co., Inc. warranties to the original purchaser that the firebox, heat exchanger, fiber logs, burner tube and glass panel of this Kozy Heat Fireplace will not be defective in material or workmanship under normal use and service for as long as you own this product. If any of these components fail due to defects in material and workmanship under normal use and service, Hussong Manufacturing, Co., Inc. will, at its sole discretion, repair or replace the defective component. This LIFETIME WARRANTY does not cover any installation, labor, transportation or other indirect cost arising from defective components.

LIMITATION OF LIABILITY

This Lifetime Warranty will be void if the fireplace is not installed by a qualified installer and according to the installation instructions. Use of unauthorized components will make this warranty null and void. This Lifetime Warranty also is void if the fireplace is not operated, at all times, according to the operating instructions furnished. This warranty is limited to defects in material and workmanship of components specified. It does not apply to any product that has been subject to negligence, misapplication, improper installation.

No person is authorized to extend the time of this Lifetime Warranty or to accept on Hussong Manufacturing Co., Inc.'s behalf any additional obligation of liability connected with the unit .

Hussong Manufacturing Co., Inc. may fully discharge all obligations with respect to this Lifetime Warranty by refunding the wholesale price of the defective component(s).

It is expressly agreed and understood that this Lifetime Warranty is Hussong Manufacturing Co., Inc.'s sole obligation and original purchaser's exclusive remedy for defective fireplace equipment. Hussong Manufacturing Co., Inc. shall not be liable for any consequential, incidental or contingent damages whatsoever other than those incurred by Hussong Manufacturing Co., Inc. to repair or replace the defective component. The foregoing warranty is exclusive and in lieu of all other expressed warranties. Hussong Manufacturing Co., Inc. shall not be held to implied warranties, including but not limited to the implied warranties or merchantability and fitness for a particular purpose. This lifetime warranty replace all previous lifetime warranty policies.

Hussong Manufacturing Co., Inc. reserves the right to make changes at any time, without notice, in design, material, specifications and prices. Hussong Manufacturing Co., Inc. reserves the right to discontinue models and products.

To activate this Lifetime Warranty coverage, this registration card must be completed and mailed with your completed 10 Year Limited Warranty form within 30 days of installation to the following address:

Hussong Manufacturing Co., Inc.
P.O. Box 577
204 Industrial Park Drive
Lakefield, MN 56150-0577

Sept. 2011

CUT ALONG DOTTED LINE

PURCHASER NAME: _____ **INSTALLATION DATE:** _____

ADDRESS: _____ **MODEL #:** _____

_____ **SERIAL #:** _____

TELEPHONE: _____

INSTALLER NAME: _____

ADDRESS: _____

_____

TELEPHONE: _____

KOZY HEAT FIREPLACES